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CHECK-LIST OF MOSSES OF EAST EUROPE AND NORTH ASIA

СПИСОК МХОВ ВОСТОЧНОЙ ЕВРОПЫ И СЕВЕРНОЙ АЗИИ

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Abstract

Check-list of mosses of the East Europe and North Asia includes data on 1302 species, 8 subspecies and 42 varieties occurring in Lithuania, Latvia, Estonia, Belarus, Ukraine, Moldova, Russia, Georgia, Armenia, Azerbaijan, Kazakhstan, Turkmenistan, Uzbekistan, Kyrgyzstan, and Tadjikistan. Territories of Ukraine and Russia are subdivided into 3 and 19 regions respectively. Each record for a country and region has a reference to the relevant publication.

Резюме

Список мхов Восточной Европы и Северной Азии включает сведения о 1302 видах, 8 подвидах и 42 разновидностях мхов, встречающихся в Литве, Латвии, Эстонии, Беларуси, Украине, Молдове, России, Грузии, Армении, Азербайджане, Казахстане, Туркменистане, Узбекистане, Киргизии, Таджикистане. Территории Украины и России подразделены дополнительно на 3 и 19 регионов соответственно. Все указания на нахождение вида в странах или регионах сопровождаются ссылками на соответствующие источники информации.

Comb. nov.: *Claopodium rostratum* (Hedw.) Ignatov, *Dicranella curvipes* (Lindb.) Ignatov, *Hygrohypnella bestii* (Renauld & Bryhn) Ignatov & Ignatova, *Lindbergia grandiretis* (Lindb. ex Broth.) Ignatov & Ignatova, *Ochyraea duriuscula* (De Not.) Ignatov & Ignatova, *Sciuro-hypnum altaicum* (Ignatov) Ignatov, *Stereodon subimponens* var. *ulophyllum* (Müll. Hal.) Afonina.

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INTRODUCTION

In 1992 the first check-list of mosses of the territory of East Europe and North Asia was published (Ignatov & Afonina, 1992). Check-lists of this kind become out of date within 10-15 years, as can be seen from the history of checklists of Europe (Corley & al., 1981; Corley & Crundwell, 1991; Hill & al., 2006), Japan (Iwatsuki & Noguchi, 1973; Iwatsuki, 1991; Iwatsuki, 2004), China (Redfearn & Wu, 1986; Redfearn & al., 1996), North America (Crum & al., 1979; Anderson & al., 1990), etc. Correspondingly, the first check-list of East Europe and North Asia also became out of date and therefore has to be revised. Mistakes in the first check-list were found to be rather numerous, urging us to correct them in a publication covering preferably the same territory.

Recent decades were quite fruitful for bryology in the states of the East Europe and North Asia. Descriptive floras and handbooks were published for Estonia (Ingerpuu & al., 1998), Lithuania (Jukoniene, 2003), Belarus (Rykovsky & Maslovsky, 2004), Karelia (Abramov & Volkova, 1998), Middle European Russia (Ignatov & Ignatova, 2003-2004); four-volumed "Moss flora of Ukraine" (Bachurina & Melnichuk, 1987-1989, 2003) has been completed; the first volume of "Moss flora of Tadjikistan" (Mamatkulov, 1990) was published. New check-lists, conspectes and annotated lists appeared for many large areas: Eurasian Arctic (Afonina & Czernyadjeva, 1995), Karelia (Volkova & Maksimov, 1993), Komi (Zheleznova, 1994), Urals (Dyachenko, 1997), Central Russian Upland (Popova, 2002), West Siberia (Lapshina & Muldiyarov, 1998), Siberia as a whole (Bardunov, 1992), Yakutia (Ivanova & al., 2005), Kamchatka (Czernyadjeva, 2005), Chukotka (Afonina, 2004a), Ukraine (Virchenko, 2000, 2001; Virchenko & Váňa, 2000), Georgia (Chikovani & Svanidze, 2004), Armenia (Manakyan, 1995), Kabardino-Balkaria (Kharzinov & al., 2004), Crimea (Partyka, 2005), Middle Asia (Mamatkulov & al., 1998). Important contributions were published in species lists of provinces and nature reserves.

Species are annotated with their distribution up to the country level, except Ukraine (subdivided into 3 regions: Carpathians, main lowland territory and Crimea), and Russia (subdivided into 19 regions, cf. Fig. 1, Table 1).

ВВЕДЕНИЕ

В 1992 году был издан первый чеклист мхов территории Восточной Европы и Северной Азии (Ignatov & Afonina, 1992). Как показывает история, такого рода работы устаревают за 10-15 лет. Это можно видеть на примерах чеклистов мхов Европы (Corley & al., 1981; Corley & Crundwell, 1991; Hill & al., 2006), Японии (Iwatsuki & Noguchi, 1973; Iwatsuki, 1991; Iwatsuki, 2004), Китая (Redfearn & Wu, 1986; Redfearn & al., 1996), Северной Америки (Crum & al., 1979; Anderson & al., 1990) и др. Естественно, что и первый чеклист Восточной Европы и Северной Азии уже сильно устарел и требует переиздания. Ошибки, допущенные в нем, оказались весьма многочисленными, и исправлять их, конечно, целесообразно в работе, охватывающей ту же самую территорию.

Последние десятилетия стали очень продуктивными в бриофлористике данной территории. Были изданы иллюстрированные флоры и определители Эстонии (Ingerpuu & al., 1998), Литвы (Jukoniene, 2003), Беларуси (Рыковский, Масловский, 2004), Карелии (Абрамов, Волкова, 1998), средней части Европейской России (Игнатов, Игнатова, 2003-2004), завершено издание четырехтомной «Флоры листяних мохів України» (Бачурина, Мельничук, 1987-1989, 2003), издан первый том флоры мхов Таджикистана (Маматкулов, 1990). Чеклисты, конспекты и аннотированные списки видов были опубликованы по многим крупным регионам: Арктике Евразии (Afonina & Czernyadjeva, 1995), Карелии (Волкова, Максимов, 1993), Коми (Железнова, 1994), Уралу (Дьяченко, 1997), Среднерусской возвышенности (Попова, 2002), Западной Сибири (Lapshina & Muldiyarov, 1998), Сибири в целом (Бардунов, 1992), Якутии (Иванова и др., 2005), Камчатке (Czernyadjeva, 2005), Чукотке (Афонина, 2004а), Украине (Вірченко, 2000, 2001; Вірченко, Ваня, 2000), Грузии (Chikovani & Svanidze, 2004), Армении (Манакян, 1995), Кабардино-Балкарии (Kharzinov & al., 2004), Крыму (Партыка, 2005), странам Средней Азии (Маматкулов и др., 1998). Большой вклад внесли каталоги мхов отдельных областей и республик, а также заповедников.

Для видов указано распространение с точностью до страны, кроме Украины, которая подразделяется на Карпаты, основную равнинную территорию и Крым, и России, в которой выделяется 19 регионов (Рис. 1, Табл. 1).

Unlike the first check-list, each record for a particular region has a reference to the relevant literature source. Doing this, we include only the most comprehensive publication(s): if a recent checklist for a region exists it was the only publication cited. Most of them are included in the Table 1.

There are a lot of records scattered in numerous publications, which we tried to get together in the present checklist. We faced also a problem with the numerous herbarium specimens, quite important, but still unpublished. By agreement with the regional contributors, most of these collections were presented in this volume of *Arctoa* in the section "New Records", which, we hope, will speed up the presenting of interesting and valuable findings.

The wide usage of DNA data in systematics in the last decade has brought a lot of changes in the understanding of moss phylogeny, resulting in alterations in moss taxonomy and nomenclature and especially in those of pleurocarps. This checklist uses mostly the system of Goffinet & Buck (2004), with the alterations for pleurocarps of Ignatov & Ignatova (2004). The latter changes are commented on by Ignatov & al. (2006), and they are mostly not repeated in the present paper.

Author citation follows mostly Brummit & Powell (1992). The use of 'in' to indicate description of a taxon by one author in a paper published by another author is not used here. This style was widely used in 1990s, including the first checklist (Ignatov & Afonina, 1992), but brought nothing but inconvenience of citations. We agree that the 'in' has to be restricted to the nomenclature citation, but not be included in the ordinary text.

The citation of authors of "Bryologia Europaea" is still problematic and incongruent between authors. We continue to attribute the autorship of the book to all three authors, citing them Bruch et al. (equivalent to B.S.G.), in view of no internal evidence to restrict the authorship to one or two of them.

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В отличие от первого чеклиста, все указания на нахождение вида в том или ином районе имеют ссылку на публикацию(и), обычно наиболее представительную(ые) для региона (при наличии недавней сводки мы ею одной и ограничивались). Список таких работ дан в таблице 1.

Масса сведений о находках видов рассеяна в многочисленных публикациях, которые мы постарались суммировать в чеклисте. Неопубликованные ранее гербарные сборы, среди которых много интересных коллекций, в значительной степени представлены в данном томе в рубрике "Новые находки", которая, мы надеемся, позволит и в дальнейшем ускорить публикацию интересных флористических новинок.

Масштабные исследования ДНК внесли в последнее десятилетие значительные изменения в представление об эволюции мхов. Это повлияло и на систематику, и на номенклатуру, в особенности бокоплодных мхов. В настоящем чеклисте мы следуем преимущественно системе Goffinet & Buck (2004), а для бокоплодных – с изменениями Игнатова и Игнатовой (2004). Обсуждение данного вопроса дано Ignatov & al. (2006) и здесь не комментируется.

Цитирование авторов дается по Brummit & Powell (1992). Факт описания таксона одним автором в работе другого, влекущий 'in' между авторами, опускается – этот необходимый элемент цитирования авторства нужен для номенклатурных цитат, но использование его при обычном цитировании авторов излишне (такая практика появилась в 1990-х годах и первый чеклист ей следовал, но ни к чему, кроме излишней громоздкости, она не привела).

Цитирование "Bryologia Europaea" продолжает оставаться неоднозначным и создавать дополнительные проблемы. В данной версии чеклиста мы используем Bruch et al. (как полный эквивалент B.S.G.), не считая обоснованным приписывать авторство тех или иных видов одному или двум авторам этой книги.

БЛАГОДАРНОСТИ

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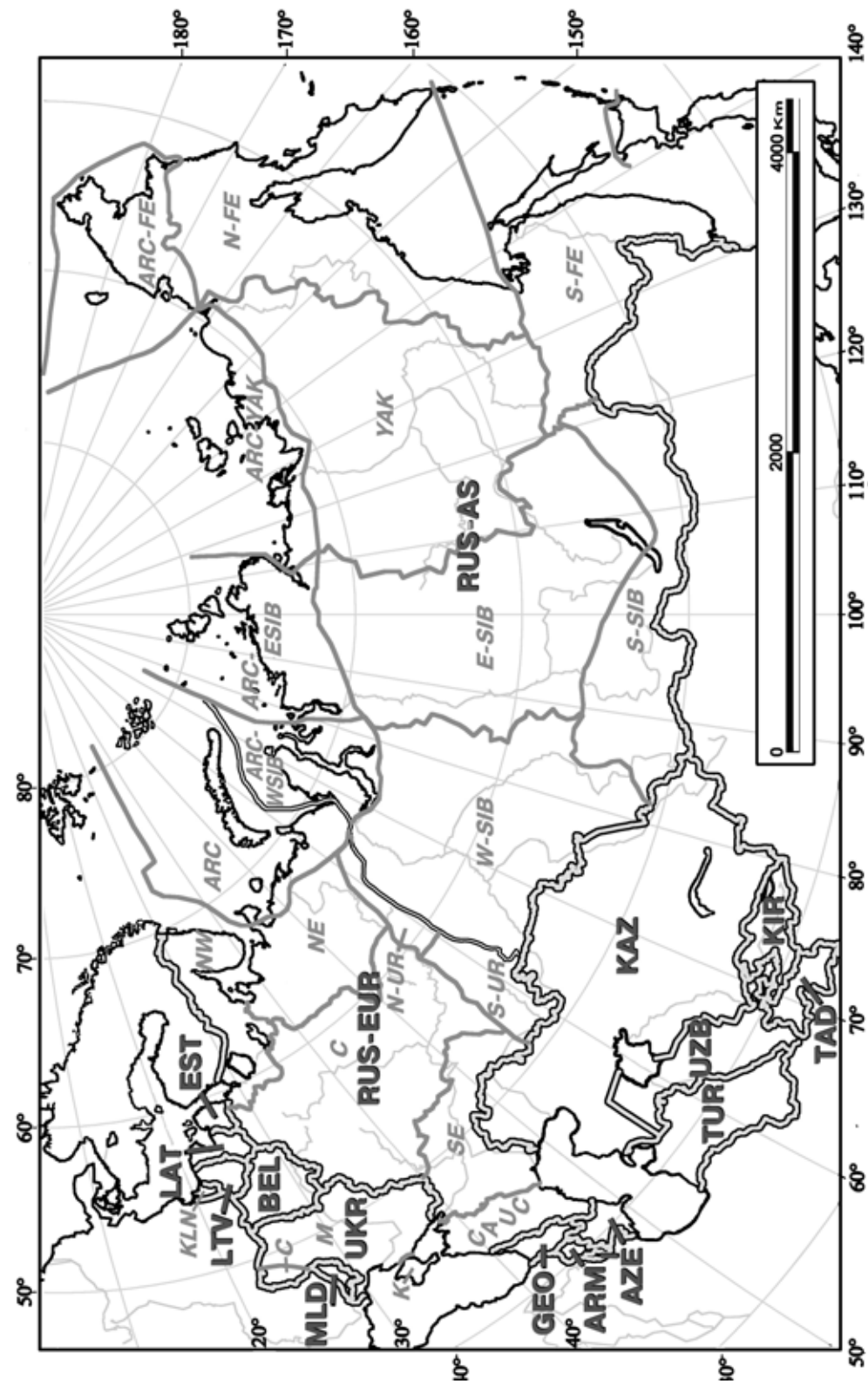

Fig. 1. Regions of East Europe and North Asia. – Рис. 1. Районы Восточной Европы и Северной Азии.

Table 1. Abbreviation of regions in the present check-list (cf. Fig. 1) and main sources of the regional information. – Табл. 1. Сокращения районов чеклиста (см. Рис. 1) и основные источники информации по их флорам мхов.

Region abbreviation	Region	Main source(s) of information
LTV	Lithuania (Lietuva)	Jukoniene, 2003
LAT	Latvia	Abolina, 2001
EST	Estonia	Ingerpuu & al., 1998
BEL	Belarus	Rykovsky & Maslovsky, 2004
UKR (C)	Ukraine, Carpathians	Zerov & Partyka, 1975; Bachurina & Melnichuk, 1987-1989,2003
UKR (M)	Ukraine, mainland	Zerov, 1964; Bachurina & Melnichuk, 1987-1989, 2003
UKR (K)	Ukraine, Crimea	Partyka, 2005
MLD	Moldova	Simonov, 1978
RUS-EUR (ARC)	Russian European Arctic including Polar Ural	Afonina & Czernyadjeva, 1995; Dyachenko, 1997
RUS-EUR (NW)	Russian European North-West [Murmansk, Karelia, Leningrad]	Schljakov & Konstantinova, 1982; Belkina & al., 1991; Volkova & Maksimov, 1993; Kurbatova & al., 1999
RUS-EUR (NE)	Russian European North-East [Arkhangelsk, lowland of Komi]	Zheleznova, 1994; Bezgodov & al., 2003
RUS-EUR (KLN)	Kaliningrad Province	Napreenko, 2006
RUS-EUR (C)	Russian European Central region	Popova, 2002; Ignatov & Ignatova, 2003-2004
RUS-EUR (N-UR)	Subpolar and North Urals[1]	Dyachenko, 1997; Ignatov & Ignatova 2003-2004
RUS-EUR (S-UR)	Middle and South Urals[1]	Dyachenko, 1997; Ignatov & Ignatova 2003-2004
RUS-EUR (SE)	Russian European South-East[2]	Suragina & al., 2002; Ignatov & Ignatova 2003-2004
RUS-EUR (CAUC)	Russian part of Caucasus	Brotherus, 1892; Akatova, 2002; Kharzinov & al. 2004; Ignatova & al., 2005; Ignatova & al., 2007
GEO	Georgia	Chikovani & Svanidze, 2004
ARM	Armenia	Manakyan, 1995
AZE	Azerbaijan	Lyubarskaya, 1986
KAZ	Kazakhstan	Mamatkulov & al., 1998
TUR	Turkmenistan	Mamatkulov & al., 1998
UZB	Uzbekistan	Mamatkulov & al., 1998
TAD	Tadjikistan	Mamatkulov, 1990; Mamatkulov & al., 1998
KYR	Kyrgyzstan	Mamatkulov & al., 1998
RUS-AS (ARC-WSIB)	Arctic West Siberia	Afonina & Czernyadjeva, 1995; Czernyadjeva, 2001
RUS-AS (ARC-ESIB)	Arctic East Siberia	Afonina & Czernyadjeva, 1995; Fedosov & Ignatova, 2005
RUS-AS (W-SIB)	West Siberia (cf. South Siberia)	Lapshina & Muldiyarov, 1998
RUS-AS (S-SIB)	South Siberia[2]	Bardunov, 1969, 1974; Ignatov, 1993; Pisarenko, 2001; Otnyukova 2003
RUS-AS (E-SIB)	East Siberia (cf. South Siberia)	Lindberg & Arnell, 1890; Bardunov, 1969, 2000; Kazanovsky, 1991; Tubanova, 2004; Fedosov 2006b,c.
RUS-AS (ARC-YAK)	Arctic Yakutia	Ivanova & al., 2005
RUS-AS (YAK)	Yakutia	Ivanova & al., 2005
RUS-AS (ARC-FE)	Arctic Far East	Afonina, 2004a
RUS-AS (N-FE)	North Far East	Bladodatskikh, 1984; Afonina, 2004a; Chernyadjeva, 2005
RUS-AS (S-FE)	South Far East	Cherdantseva, 1976, 2002; Bardunov & Cherdantseva, 1982, 1984; Ignatov & al., 2000; Bakalin & Cherdantseva, 2006

[1] – The present subdivision of Urals differs from that given in the first check-list (Ignatov & Afonina, 1992), where part of North Ural within Perm and Sverdlovsk Provinces was referred to "S-UR" region.

[2] – Unlike first check-list, Ulyanovsk Province is referred to the region "C", not "SE".

[3] – South Siberia is delimited here as the mountain area that includes: Altai Mts., Kuznetskiy Alatau, Salair Range, Tuva (Tyva), Sayans (northward up to Krasnoyarsk, including it); southern part of Baikal Lake, southern Buryatiya (up to Selenga – Upper Vitim), Chita Prov. (without Yankan and northern ranges).

SYSTEMATIC ARRANGEMENT

Systematic arrangement follows Goffinet & Buck (2004), with some alterations according to Ignatov & Ignatova (2004), Ignatov, Gardiner & al. (2006), and Ochyra & al. (2004). Asterisk (*) before some generic names means that their position in respective family is not very well proved.

SPHAGNOPSIDA Schimp.
SPHAGNALES C. Martius
Sphagnaceae Martynov
Sphagnum L.

ANDREAEOPSIDA Trevisan
ANDREAEALES Prantl
Andreaeaceae Dumort.
Andreaea Hedw.

OEDIPODIOPSIDA (Schimp.) Goffinet & W.R.Buck
OEDIPODIALES (Schimp.) Goffinet & W.R.Buck
Oedipodiaceae Schimp.
Oedipodium Schwägr.

POLYTRICHOPSIDA Ochyra, Żarnowiec & Bednarek-Ochyra
POLYTRICHALES M.Fleisch.
Polytrichaceae Schwägr.
Atrichum P.Beauv.
Bartramiopsis Kindb.
Lyellia R.Br.
Oligotrichum DC.
Pogonatum P.Beauv.
Polytrichastrum G.L.Sm.
Polytrichum Hedw.
Psilopilum Brid.

TETRAPHIDOPSIDA (M.Fleisch.) Goffinet & W.R.Buck
TETRAPHIDALES M.Fleisch.
Tetraphidaceae Schimp.
Tetraphis Hedw.
Tetrodontium Schwägr.

BRYOPSIDA Horan.
BUXBAUMIALES M.Fleisch.
Buxbaumiaceae Schwägr.
Buxbaumia Hedw.
DIPHYSCIALES M.Fleisch.
Diphysciaceae M.Fleisch.
Diphyscium D.Mohr
TIMMIALES (M.Fleisch.) Ochyra
Timmiaceae Schimp.
Timmia Hedw.
CATOSCOPIALES Ignatov & Ignatova
Catoscopiaceae Boulay ex Broth.
Catoscopium Brid.
FUNARIALES M.Fleisch.
Disceliaceae Schimp.
Discelium Brid.
Funariaceae Schwägr.
Entosthodon Schwägr.
Funaria Hedw.
Physcomitrella Bruch et al.
Physcomitrium (Brid.) Brid.
Pyramidula Brid.
ENCALYPTALES Dixon
Encalyptaceae Schimp.
Bryobrittonia R.S.Williams
Encalypta Hedw.
BRYOXIPHIALES H.A.Crum & L.E.Anderson
Bryoxiphiaceae Besch.
Bryoxiphium Mitt.
SCOULERIALES (S.P.Churchill) Goffinet & W.R.Buck
Drummondiaceae (Vitt) Goffinet
Drummondia Hook.
Scouleriaceae S.P.Churchill
Scouleria Hook.
GRIMMIALES M.Fleisch.
Grimmiaceae Arn.
Bucklandiella Roiv.
Codriophorus P.Beauv.
Coscinodon Spreng.
Grimmia Hedw.
Indusiella Broth. & Müll.Hal.
Jaffueliobryum Thér.
Niphotrichum (Bednarek-Ochyra) Bednarek-Ochyra & Ochyra
Racomitrium Brid.
Schistidium Bruch et al.
Seligeriaceae Schimp.
Brachydontium Fürnr.
Blindia Bruch et al.
Seligeria Bruch et al.
Ptychomitriaceae Schimp.
Campylostelium Bruch et al.
Ptychomitrium Fürnr.
**Glyphomitrium* Brid.

Archidiaceae Schimp.
Archidium Brid.
DICRANALES H.Philib. ex M.Fleisch.
Leucobryaceae Schimp.
Brothera Müll.Hal.
Campylopus Brid.
Dicranodontium Bruch et al.
Leucobryum Hampe
Bruchiaceae Schimp.
Trematodon Michx.
Dicranaceae Schimp.
**Aongstroemia* Bruch et al.
**Dicranella* (Müll.Hal.) Schimp.
Dicranoloma (Renauld) Renauld
Dicranum Hedw.
Paraleucobryum (Limpr.) Loeske
Rhabdoweisiaceae Limpr.
Amphidium Schimp.
Arctoa Bruch et al.
Cnestrum I.Hagen
Cynodontium Bruch et al.
Dichodontium Schimp.
Dicranoweisia Milde
Hymenoloma Ochyra
Kiaeria I.Hagen
Oncophorus (Brid.) Brid.
Oreas Brid.
Rhabdoweisia Bruch et al.
Ditrichaceae Limpr.
Ceratodon Brid.
Cleistocarpidium Ochyra & Bednarek-Ochyra
Distichium Bruch et al.
Ditrichum Timm ex Hampe
Pleuridium Rabenh.
Pseudephemerum (Lindb.) I.Hagen
Saelania Lindb.
Pottiaceae Schimp.
Acaulon Müll.Hal.
Aloina Kindb.
Anoectangium Schwägr.
Barbula Hedw.
Bryoerythrophyllum P.C.Chen
Cinclidotus P.Beauv.
Crossidium Jur.
Crumia W.B.Schofield
Didymodon Hedw.
Eucladium Bruch et al.
Gymnostomum Nees & Hornsch.
Gyroweisia Schimp.
Hennediella Paris
Hilpertia R.H.Zander
Hydrogonium (Müll.Hal.) A.Jaeger
Hymenostylium Brid.
Hyophila Brid.
Leptobarbula Schimp.
Leptodontium (Müll.Hal.) Lindb.
Microbryum Schimp.
Molendoa Lindb.
Oxystegus (Lindb. ex Limpr.) Hilp.
Pleurochaete Lindb.
Pseudocrossidium R.S.Williams
Pterygoneurum Jur.
Scopelophila (Mitt.) Lindb.
Stegonia Venturi
Syntrichia Brid.
Timmiella (De Not.) Schimp.
Tortella (Müll.Hal.) Limpr.
Tortula Hedw.
Trichostomum Bruch
Weissia Hedw.
Ephemeraceae Schimp.
Ephemerum Hampe
Fissidentaceae Schimp.
Fissidens Hedw.
Schistostegaceae Schimp.
Schistostega D.Mohr
SPLACHNALES (M.Fleisch.) Ochyra
Meesiaceae Schimp.
Amblyodon P.Beauv.
Leptobryum (Bruch et al.) Wilson
Meesia Hedw.
Paludella Brid.
Splachnaceae Grev. & Arn.
Aplodon R.Br.
Splachnum Hedw.
Tayloria Hook.
Tetraplodon Bruch et al.
Voitia Hornsch.
ORTHOTRICHALES Dixon
Orthotrichaceae Arn.
Macromitrium Brid.
Orthotrichum Hedw.
Ulota D.Mohr
Zygodon Hook. & Taylor
HEDWIGIALES Ochyra
Hedwigiaceae Schimp.
Hedwigia P.Beauv.

BRYALES Limpr.
Bryaceae Schwägr.
Anomobryum Schimp.
Brachymenium Schwägr.
Bryum Hedw.
Plagiobryum Lindb.
Rhodobryum (Schimp.) Limpr.
Orthodontiaceae (Broth.) Goffinet
Orthodontium Schwägr.
Orthodontopsis Ignatov & B.C.Tan
Mielichhoferiaceae Schimp.
Epipterygium Lindb.
Mielichhoferia Nees & Hornsch.
Pohlia Hedw.
Mniaceae Schwägr.
Cinclidium Sw.
Cyrtomnium Holmen
Mnium Hedw.
Plagiomnium T.J.Kop.
Pseudobryum (Kindb.) T.J.Kop.
Rhizomnium (Broth.) T.J.Kop.
Trachycystis T.J.Kop.
Bartramiaceae Schwägr.
Anacolia Schimp.
Bartramia Hedw.
Conostomum Sw. ex F.Weber & D.Mohr
Philonotis Brid.
Plagiopus Brid.
Aulacomniaceae Schimp.
Aulacomnium Schwägr.
HOOKERIALES M.Fleisch.
Hookeriaceae Schimp.
Hookeria Sm.
Hypopterygiaceae Mitt.
Hypopterygium Brid.
HYPNALES Dumort.
Fontinalaceae Schimp.
Dichelyma Myrin
Fontinalis Hedw.
Fabroniaceae Schimp.
Fabronia Raddi
Habrodontaceae Rabenh.
Habrodon Schimp.
Plagiotheciaceae (Broth.) M.Fleisch.
Bardunovia Ignatov & Ochyra
Herzogiella Broth.
Isopterygiopsis Z.Iwats.
Myurella Bruch et al.
Orthothecium Bruch et al.
Plagiothecium Bruch et al.
Platydictya Berk.
**Pseudotaxiphyllum* Z.Iwats.
Struckia Müll.Hal.
Pterigynandraceae Schimp.
Pterigynandrum Hedw.
Leucodontaceae Schimp.
Dozya Sande Lac.
Leucodon Schwägr.
Cryphaeaceae Schimp.
Cryphaea D.Mohr
Hypnaceae Martynov
Eurohypnum Ando
Hypnum Hedw.
**Hondaella* Dixon & Sakurai
**Leptopterigynandrum* Müll.Hal.
**Schwetschkeopsis* Broth.
**Taxiphyllum* M.Fleisch.
**Vesicularia* (Müll.Hal.) Müll.Hal.
Entodontaceae Kindb.
Entodon Müll.Hal.
Pylaisiadelphaceae Goffinet & W.R.Buck
Brotherella Loeske ex M.Fleisch.
**Fauriella* Besch.
Heterophyllium (Schimp.) Kindb.
Platygyrium Bruch et al.
Pylaisiadelpha Cardot
Pseudoleskeaceae Schimp.
Lescuraea Bruch et al.
Rigodiadelphus Dixon
Anomodontaceae Kindb.
Anomodon Hook. & Taylor
Haplohymenium Dozy & Molk.
Herpetineuron (Müll.Hal.) Cardot
Heterocladiaceae Ignatov & Ignatova
Heterocladium Bruch et al.
Neckeraceae Schimp.
Forsstroemia Lindb.
Homalia Brid.
**Homaliadelphus* Dixon & P.de la Varde
Leptodon D.Mohr
Neckera Hedw.
Thamnobryum Nieuwl.
Climaciaceae Kindb.
Climacium F.Weber & D.Mohr
Pleuroziopsis Kindb. ex E.Britton
Antitrichiaceae Ignatov & Ignatova
Antitrichia Brid.
Hylocomiaceae (Broth.) M.Fleisch.
**Ctenidium* (Schimp.) Mitt.
Hylocomiastrum Broth.

Hylocomiopsis Cardot
Hylocomium Bruch et al.
Pleurozium Mitt.
Loeskeobryum Broth.
Rhytidiadelphus (Limpr.) Warnst.
Pterogoniaceae Rabenh.
Pterogonium Sw.
Lembophyllaceae Broth.
Dolichomitriopsis S.Okamura
Isothecium Brid.
Meteoriaceae Kindb.
Meteorium (Brid.) Dozy & Molk.
Brachytheciaceae Schimp.
Brachytheciastrum Ignatov & Huttunen
Brachythecium Bruch et al.
Bryhnia Kaurin
Cirriphyllum Grout
Eurhynchiadelphus Ignatov & Huttunen
Eurhynchiastrum Ignatov & Huttunen
Eurhynchium Bruch et al.
Homalothecium Bruch et al.
Kindbergia Ochyra
Myuroclada Besch.
Okamuraea Broth.
Oxyrrhynchium (Schimp.) Warnst.
Palamocladium Müll.Hal.
Plasteurhynchium M.Fleisch. ex Broth.
Pseudoscleropodium (Limpr.) M.Fleisch.
Rhynchostegiella (Schimp.) Limpr.
Rhynchostegium Bruch et al.
Sciuro-hypnum (Hampe) Hampe
Scorpiurium Schimp.
Calliergonaceae (Kanda) Vanderp., Hedenäs, C.J.Cox & A.J.Shaw
Calliergon (Sull.) Kindb.
Conardia H.Rob.
Loeskypnum H.K.G.Paul
Straminergon Hedenäs
Warnstorfia Loeske
Scorpidiaceae Ignatov & Ignatova
Hamatocaulis Hedenäs
Hygrohypnella Ignatov & Ignatova
Sanionia Loeske
Scorpidium (Schimp.) Limpr.
Pylaisiaceae Schimp.
Breidleria Loeske
Callicladium H.A.Crum
Calliergonella Loeske
Gollania Broth.
Homomallium (Schimp.) Loeske
Pseudohygrohypnum Kanda
Ptilium De Not.
Pylaisia Bruch et al.
Stereodon (Brid.) Mitt.
Rhytidiaceae Broth.
Rhytidium (Sull.) Kindb.
Pseudoleskeellaceae Ignatov & Ignatova
Pseudoleskeella Kindb.
Leskeaceae Schimp.
**Claopodium* (Lesq. & James) Renauld & Cardot
**Iwatsukiella* W.R.Buck & H.A.Crum
Leskea Hedw.
Lindbergia Kindb.
Mamillariella Laz.
**Miyabea* Broth.
Pseudoleskeopsis Broth.
Thuidiaceae Schimp.
Abietinella Müll.Hal.
Actinothuidium (Besch.) Broth.
Boulaya Cardot
Bryochenea C.Gao & G.C.Zhang
Bryonoguchia Z.Iwats. & Inoue
Echinophyllum O'Brian
Haplocladium (Müll.Hal.) Müll.Hal.
Helodium Warnst.
Pelekium Mitt.
Rauiella Reimers
Thuidium Bruch et al.
Amblystegiaceae G.Roth
Amblystegium Bruch et al.
Anacamptodon Brid.
Campyliadelphus (Kindb.) R.S.Chopra
Campylidium (Kindb.) Ochyra
Campylium (Sull.) Mitt.
**Campylophyllum* (Schimp.) M.Fleisch.
Cratoneuron (Sull.) Spruce
**Drepanium* C.E.O.Jensen
Drepanocladus (Müll.Hal.) G.Roth
Hygroamblystegium Loeske
Hygrohypnum Lindb.
Leptodictyum (Schimp.) Warnst.
**Myrinia* Schimp.
**Ochyraea* Váňa
Palustriella Ochyra
**Podperaea* Z.Iwats. & Glime
Pseudocalliergon (Limpr.) Loeske
Sasaokaea Broth.
Serpoleskea (Limpr.) Loeske
**Tomentypnum* Loeske

LIST OF TAXA[1]

Abietinella Müll.Hal. [Thuidiaceae]

— ***abietina*** (Hedw.) M.Fleisch. (*Thuidium abietinum* (Hedw.) Bruch et al., *Abietinella hystricosa* (Mitt.) Broth., *A. abietina* var. *hystricosa* (Mitt.) Sakurai) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [296], **KYR** [296, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 114, 212]

Acaulon Müll.Hal. [Pottiaceae]

— ***muticum*** (Hedw.) Müll.Hal. – **LTV** [244], **LAT** [5], **BEL** [355], **UKR**: M [66], **RUS-EUR**: C [207, 345], **TUR** [295], **TAD** [295], **KYR** [349, 351], **RUS-AS**: ?W-SIB [341]

— ***triquetrum*** (Spruce) Müll.Hal. – **UKR**: M [66], **RUS-EUR**: S-UR [150, 341], SE [207, 212, 377], CAUC [421], **GEO** [117], **AZE** [277], **TUR** [296], **TAD** [295]

Actinothuidium (Besch.) Broth. [Thuidiaceae]

— ***hookeri*** (Mitt.) Broth. subsp. ***boreale*** Ignatov, Ignatova, Z.Iwats. & B.C.Tan – **RUS-AS**: S-FE [210, 212, 221]

Aloina Kindb. [Pottiaceae]

— ***aloides*** (Koch ex Schultz) Kindb. – **LTV** [244], **TAD** [295]

— ***ambigua*** (Bruch et al.) Limpr. (*A. ericaefolia* Kindb.) – **BEL** [?355], **UKR**: C [66], M [66], **MLD** [367], **AZE** [277], **TUR** [267, 295, 296], **TAD** [294, 295], **KYR** [296, 349, 351] — {1}

— ***brevirostris*** (Hook. & Grev.) Kindb. – **LAT** [4], **UKR**: M [66], **RUS-EUR**: NW [207], NE [207, 212], C [207, 212, 345], S-UR [150, 207], CAUC [250], **TUR** [296], **TAD** [295], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [197, 212], E-SIB [212, 275], ARC-YAK [47, 239],YAK [239], ARC-FE [40, 212], N-FE [94]

— ***rigida*** (Hedw.) Limpr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [?355], **UKR**: C [66], M [66], **RUS-EUR**: NW [207], C [207, 345], S-UR [150, 207], CAUC [231, 248], **GEO** [117], **AZE** [277], **TUR** [267, 295], **TAD** [294, 295], **KYR** [296, 351], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69], YAK [239]

Amblyodon P.Beauv. [Meesiaceae]

— ***dealbatus*** (Hedw.) P.Beauv. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: M [66, 148], **RUS-EUR**: NW [207, 273, 364, 407], NE [207, 212], KLN [309], C [207], N-UR [150], CAUC [55, 102, 212, 248], **GEO** [102, 117], **ARM** [297], **KAZ** [156, 393], **TAD** [267, 294, 296], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 197], YAK [212, 239], ARC-FE [40]

Amblystegiella see *Serpoleskea, Platydictya*

Amblystegium Bruch et al. [Amblystegiaceae], see also *Hygroamblystegium humile, H. varium,* etc., *Serpoleskea subtilis,* etc., *Conardia compacta*

— ***radicale*** (P.Beauv.) Bruch et al. (*A. saxatile* Schimp., *Campylium radicale* (P.Beauv.) Grout) – **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [291], NE [414], C [135, 212, 344], S-UR [150], **RUS-AS**: W-SIB [265], S-SIB [70, 212, 275], E-SIB [275], S-FE [76]

Notes: 1) References to annotations on some species are given in figure brackets.

2) Asterisk (*) at some family names means that the position of the genus in this family is not well proved.

3) Asterisk (*) at some record means indirect record: for example, old records of *Eurhynchium striatum* from Siberia, before the description of *E. zetterstedtii* (*E. angustirete*), obviously mean the latter species.

4) Questionmark (?) before the reference number in brackets means that the author(s) of reference express(es) certain doubt of the occurrence of the taxon in region; "?" before the region name however indicate the doubts of authors of the checklist; "?" before species name means that we doubt that this is a good species, but retain it due to unknown identity.

5) Few species were reported from Middle Asia and Caucasus without exact locality, so even the country can not be detected. In these cases they are cited: + MID-AS and + CAUCASUS.

6) Only synonyms that were widely used in recent literature are included in the list; expanded list of synonyms is given in a separate section after Annotations.

— ***serpens*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], SE [207, 212, 404], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [160, 296, 356], **TAD** [26, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***serpens*** var. ***juratzkanum*** (Schimp.) Rau & Herv. – **LTV** [244], **LAT** [1], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [63, 407], NE [207], KLN [309], C [207, 212], N-UR [150], S-UR [150, 207, 212], CAUC [55, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **UZB** [267], **TAD** [294, 296], **KYR** [267, 296], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 247], ARC-YAK [239], YAK [212, 239], ARC-FE [40], S-FE [76, 77, 212]

Amphidium Schimp. [Rhabdoweisiaceae]

— ***lapponicum*** (Hedw.) Schimp. – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [212, 273, 364, 407], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [156, 159], **UZB** [267], **TAD** [294, 295], **KYR** [296, 349, 351], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [140], S-FE [76, 77, 114, 212]

— ***mougeotii*** (Bruch et al.) Schimp. – **UKR**: C [66], K [328], **RUS-EUR**: ARC [47, 127, 150], NW [212, 364, 407], N-UR [150, 207, 212, 415], S-UR [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [156, 159], **TAD** [294, 295], **KYR** [296], **RUS-AS**: ARC-ESIB [39, 164], S-SIB [197, 212], E-SIB [163], ARC-FE [40, 212], N-FE [40, 94], S-FE [221]

Anacamptodon Brid. [Amblystegiaceae]

— ***kamchaticus*** Czernyadjeva – **RUS-AS**: N-FE [139, 140], S-FE [139]

— ***latidens*** (Besch.) Broth. – **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69, 212], S-FE [76, 77, 109, 212]

— ***splachnoides*** (Froel. ex Brid.) Brid. – **UKR**: C [66], **GEO** [117], **RUS-AS**: ?S-SIB [22], ?S-FE [22] — {2}

Anacolia Schimp. [Bartramiaceae]

— ***webbii*** (Mont.) Schimp. – **TAD** [19, 296]

Andreaea Hedw. [Andreaeaceae]

— ***alpestris*** (Thed.) Bruch et al. (*A. fauriei* Besch.) – **UKR**: C [66], **RUS-EUR**: ARC [47], NW [364, 407], CAUC [55, 212], **RUS-AS**: S-SIB [197, 212], E-SIB [212, 247], ARC-YAK [47, 239], ARC-FE [40], N-FE [140], S-FE [77, 109]

— ***blyttii*** Bruch et al. – **RUS-EUR**: NW [83, 87, 273], **RUS-AS**: YAK [239], ARC-FE [40, 212]

— ***crassinervia*** Bruch – **RUS-EUR**: NW [262, 364, 407]

— ***heinemannii*** Hampe & Müll.Hal. (*A. planinervis* Lindb. ex G.Roth) – **RUS-EUR**: CAUC [248], **GEO** [102], **RUS-AS**: S-SIB [197, 212] — {3}

— ***nivalis*** Hook. – **RUS-EUR**: ARC [47], NW [84, 87], N-UR [150, 207, 212], CAUC [55, 212, 231], **RUS-AS**: N-FE [95, 140], S-FE [67]

— ***obovata*** Thed. – **RUS-EUR**: ARC [47, 150], NW [364, 407], N-UR [150], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 247], YAK [239], ARC-FE [40]

— ***rothii*** F.Weber & D.Mohr – **RUS-EUR**: ARC [127, 150], NW [262], N-UR [166], ?S-UR [150, 207], **GEO** [117] — {3}

— ***rupestris*** Hedw. – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **TAD** [295], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 212]

— ***rupestris*** var. ***papillosa*** (Lindb.) Podp. – **RUS-EUR**: ARC [47, 150], S-UR [150, 212], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [197, 212], E-SIB [388], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [140]

— ***rupestris*** var. ***sparsifolium*** (J.E.Zetterst.) Sharp – **RUS-AS**: ARC-FE [40], N-FE [40]

Anisothecium see *Dicranella spp., Dichodontium paluste*

Anoectangium Schwägr. [Pottiaceae], see also *Molendoa*

— ***aestivum*** (Hedw.) Mitt. – **UKR**: C [66], **RUS-EUR**: NW [85, 212, 364], CAUC [55, 102, 212, 231],

TUR [11, 296], **RUS-AS**: E-SIB [162], ARC-YAK [239]
— ***handelii*** Schiffn. – **UKR**: K [66, 328], **RUS-AS**: S-SIB [71], **TUR** [8, 368], **TAD** [294, 295]
— ***thomsonii*** Mitt. (*A. amurense* Broth., *A. contortum* Broth.) – **RUS-AS**: E-SIB [74, 212], YAK [239], S-FE [76, 212, 221]

Anomobryum Schimp. [Bryaceae]
— ***julaceum*** (Schrad. ex P.Gaertn., B.Mey. & Scherb.) Schimp. – **UKR**: C [66], **RUS-EUR**: NW [364], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [40, 140], S-FE [77, 212]
— ***julaceum*** var. ***concinnatum*** (Spruce) J.E.Zetterst. (*A. concinnatum* (Spruce) Lindb.) – **KAZ** [296, 356], **TAD** [294, 296], **RUS-AS**: ARC-FE [40], S-FE [76] — {4}

Anomodon Hook. & Taylor [Anomodontaceae], see also *Claopodium rostratum*
— ***abbreviatus*** Mitt. – **RUS-AS**: S-FE [116]
— ***attenuatus*** (Hedw.) Huebener – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 407], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **TAD** [296], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 247]
— ***giraldii*** Müll.Hal. – **RUS-AS**: S-FE [76, 77, 109, 212]
— ***longifolius*** (Brid.) Hartm. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: S-SIB [69, 70, 212], N-FE [140], S-FE [76, 77, 109, 212]
— ***minor*** (Hedw.) Fürnr. (*A. minor* subsp. *integerrimus* (Mitt.) Z.Iwats.) – **RUS-AS**: S-SIB [69, 70, 212], E-SIB [74, 212], YAK [212, 239], S-FE [76, 77, 109, 212] — {5}
— ***rugelii*** (Müll.Hal.) Keissl. – **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: NW [207], C [207], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: S-SIB [69, 197, 212], E-SIB [212, 247], S-FE [76, 77, 109, 212]
— ***solovjovii*** Laz. – **RUS-AS**: S-FE [76, 212]
— ***thraustus*** Müll.Hal. – **RUS-AS**: S-SIB [69, 70], E-SIB [69, 212], S-FE [76, 77, 109, 212]
— ***viticulosus*** (Hedw.) Hook. & Taylor – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **MLD** [367], **RUS-EUR**: NW [207, 212, 364, 407], NE [53, 207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296], **KYR** [296], **RUS-AS**: S-SIB [70, 212], N-FE [?140]

Antitrichia Brid. [Antitrichiaceae]
— ***curtipendula*** (Hedw.) Brid. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [203, 207, 407], KLN [309], CAUC [55, 203, 208, 212, 231], **GEO** [117], **ARM** [297]

Aongstroemia Bruch et al. [Dicranaceae]
— ***julacea*** (Hook.) Mitt. – **RUS-AS**: S-SIB [70]
— ***longipes*** (Sommerf.) Bruch et al. – **RUS-EUR**: NW [207, 251], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], E-SIB [163], ARC-FE [40, 212], N-FE [40, 140]
— ***orientalis*** Mitt. – **RUS-AS**: S-SIB [69]

Aplodon R.Br. [Splachnaceae]
— ***wormskioldii*** (Hornem.) R.Br. – **EST** [237], **RUS-EUR**: ARC [47, 150], NW [212, 346, 364], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], E-SIB [126, 212, 275], ARC-YAK [47, 239], ARC-FE [40, 212], N-FE [40, 94]

Archidium Brid. [Archidiaceae]
— ***alternifolium*** (Hedw.) Mitt. – **LTV** [244], **RUS-EUR**: NW [207, 262], **RUS-AS**: S-FE [24, 76]

Arctoa Bruch et al. [Rhabdoweisiaceae]
— ***anderssonii*** Wich. – **RUS-AS**: ARC-ESIB [39, 47, 50], N-FE [141]
— ***fulvella*** (Dicks.) Bruch et al. – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [212, 273, 364, 407], N-UR [150], **RUS-AS**: ARC-ESIB [96, 212], S-SIB [69], E-SIB [69, 212], ARC-YAK [239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [212, 221]

Astomum see *Weissia*
Atractylocarpus alpinus (Schimp. ex Milde) Lindb. – excluded — {6}
Atrichum P.Beauv. [Polytrichaceae]
— ***angustatum*** (Brid.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [87, 207, 262], C [207, 212], S-UR [207], CAUC [55, 212, 248], **GEO** [117]
— ***flavisetum*** Mitt. (*A. haussknechtii* Jur. & Milde, *A. undulatum* var. *gracilisetum* Besch.) – **LAT** [1], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **RUS-EUR**: NW [207, 262, 407], NE [207, 212], C [207, 212, 345], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212, 219], E-SIB [212, 247], S-FE [76, 77, 109, 212]
— ***rhystophyllum*** (Müll.Hal.) Paris – **RUS-AS**: S-FE [76] — {7}
— ***tenellum*** (Röhl.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 70, 212, 219], E-SIB [212, 247], ?ARC-YAK [47, 239], ?N-FE [140], ?S-FE [77, 212] — {8}
— ***undulatum*** (Hedw.) P.Beauv. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [150], NW [207, 212, 364, 407], NE [207], KLN [309], C [207, 212], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296], **RUS-AS**: W-SIB [265], S-SIB [70, 212, 219], S-FE [76, 109, 212]
Aulacomnium Schwägr. [Aulacomniaceae]
— ***acuminatum*** (Lindb. & Arnell) Kindb. – **RUS-AS**: ARC-WSIB [136], ARC-ESIB [92, 212], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94]
— ***androgynum*** (Hedw.) Schwägr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207, 212, 262], KLN [309], SE [207], **GEO** [117] — {9}
— ***heterostichum*** (Hedw.) Bruch et al. – **RUS-AS**: S-FE [76, 77, 109, 212]
— ***palustre*** (Hedw.) Schwägr. (*A. palustre* var. *imbricatum* Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 156, 296, 356], **TAD** [26, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]
— ***turgidum*** (Wahlenb.) Schwägr. – **RUS-EUR**: ARC [47, 127, 150], NW [212, 291, 364, 407], NE [207, 212, 415], N-UR [150, 207, 212], S-UR [150, 207, 212], **ARM** [297], **KAZ** [296, 356], **TAD** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [109, 212, 221]
Barbula Hedw. [Pottiaceae], see also *Didymodon, Bryoerythrophyllum, Pseudocrossidium*
— ***amplexifolia*** (Mitt.) A.Jaeger – **RUS-AS**: S-SIB [212, 222], YAK [239]
— ***convoluta*** Hedw. (*Streblotrichum convolutum* (Hedw.) P.Beauv.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207, 273, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207], SE [207], CAUC [55, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157, 296, 356], **TUR** [296], **TAD** [294, 295], **KYR** [267, 296], **RUS-AS**: ARC-ESIB [164], W-SIB [265], S-SIB [69, 70, 212], E-SIB [163, 275, 388], YAK [239], N-FE [40, 140], S-FE [76, 212]
— ***crocea*** (Brid.) F.Weber & D.Mohr – **UKR**: C [66, 413], **RUS-EUR**: CAUC [55, 212, 248]
— ***enderesii*** Garov. – **UKR**: M [66], **UZB** [267], **KYR** [296]
— ***indica*** (Hook.) Spreng. – **UZB** [384]
— ***jacutica*** Ignatova – **RUS-AS**: E-SIB [162], YAK [223, 239]
— ***unguiculata*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO**

[117], **ARM** [297], **AZE** [277], **KAZ** [157], **TUR** [296], **UZB** [295, 296], **TAD** [294, 295], **KYR** [296], **RUS-AS**: ARC-ESIB [275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [163, 275], YAK [239], N-FE [140], S-FE [76, 221]

Bardunovia Ignatov & Ochyra [Plagiotheciaceae]

— ***baicalensis*** Ignatov & Ochyra (*Platydictya baicalensis* (Ignatov & Ochyra) Hedenäs) – **RUS-AS**: E-SIB [218], YAK [239] — {10}

Bartramia Hedw. [Bartramiaceae]

— ***halleriana*** Hedw. – **UKR**: C [66], K [328], **RUS-EUR**: NW [364, 407], CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **TAD** [296]

— ***ithyphylla*** Brid. (*B. deciduaefolia* Broth. & Yasuda) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], NE [53, 207, 415], KLN [309], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [160, 296, 356], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [147, 212], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]

— ***pomiformis*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [53, 207, 212], KLN [309], C [207], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [55, 212, 248], **GEO** [117], **AZE** [277], **KAZ** [296, 356], **TAD** [296], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [69, 70, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***stricta*** Brid. – **AZE** [22]

— ***subulata*** Bruch et al. – **RUS-EUR**: ARC [47, 127, 150], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69], YAK [239], ARC-FE [40]

Bartramiopsis Kindb. [Polytrichaceae]

— ***lescurii*** (James) Kindb. – **RUS-AS**: N-FE [94, 140], S-FE [76, 77, 109, 212]

Blindia Bruch et al. [Seligeriaceae]

— ***acuta*** (Hedw.) Bruch et al. (*B. seligerioides* Lindb. ex Broth.) – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], NE [207, 415], N-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [104], **RUS-AS**: ARC-ESIB [39, 47, 50], S-SIB [69, 70, 212], E-SIB [74, 212, 247], YAK [239], ARC-FE [40, 212], N-FE [40, 94], S-FE [212, 221]

Boulaya Cardot [Thuidiaceae]

— ***mittenii*** (Broth.) Cardot – **RUS-AS**: S-FE [76, 77, 109, 212]

Brachydontium Fürnr. [Seligeriaceae]

— ***olympicum*** (E.Britton) McIntosh & Spense (*Grimmia olympica* E.Britton) – **RUS-AS**: S-FE [299]

— ***trichodes*** (F.Weber) Milde – **UKR**: C [66], **RUS-EUR**: N-UR [150, 415] + CAUCASUS [341]

Brachymenium Schwägr. [Bryaceae]

— ***exiloides*** Bard. & Czerd. – **RUS-AS**: S-FE [76]

— ***nepalense*** Hook. – **RUS-AS**: S-FE [76, 212]

Brachytheciastrum Ignatov & Huttunen [Brachytheciaceae]

— ***collinum*** (Schleich. ex Müll.Hal.) Ignatov & Huttunen (*Brachythecium collinum* (Schleich. ex Müll.Hal.) Bruch et al., *B. fendleri* auct.) – **RUS-EUR**: S-UR [52], SE [207, 212], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356, 393], **TUR** [296], **UZB** [267], **TAD** [267, 294, 296], **KYR** [296, 351], **RUS-AS**: S-SIB [198, 212], ARC-YAK [47, 239], ARC-FE [40], N-FE [140] — {11}

— ***falcatulum*** (Broth.) Ignatov & Huttunen – **KAZ** [198], **KYR** [198], **RUS-AS**: S-SIB [198]

— ***olympicum*** (Jur.) Vanderp., Ignatov, Huttunen & Goffinet (*Brachythecium olympicum* Jur.) – **RUS-EUR**: SE [366], CAUC [232]

— ***trachypodium*** (Brid.) Ignatov & Huttunen (*Brachythecium trachypodium* (Brid.) Bruch et al.) – **RUS-EUR**: NW [364], S-UR [91], **GEO** [117], **KAZ** [348], **UZB** [267], **TAD** [294, 296], **KYR** [267, 296, 351], **RUS-AS**: ARC-ESIB [93], S-SIB [198], E-SIB [163], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94] — {12}

— ***velutinum*** (Hedw.) Ignatov & Huttunen (*Brachythecium velutinum* (Hedw.) Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66], **MLD** [367], **RUS-EUR**: ARC [47,

150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159], **TUR** [296], **TAD** [296], **KYR** [296, 349, 351], **RUS-AS**: ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 198, 212, 275], E-SIB [212, 247], YAK [212, 239], ARC-FE [40, 212], N-FE [140], S-FE [76, 109, 212] — {13}

Brachythecium Bruch et al. [Brachytheciaceae], see also *Brachytheciastrum collinum, B. velutinum,* etc., *Sciuro-hypnum oedipodium, S. plumosum, S. populeum, S. reflexum,* etc. — {14}

— ***albicans*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 386], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [140], S-FE [67]

— ***auriculatum*** A.Jaeger – **RUS-AS**: S-FE [77, 109, 212, 268] — {15}

— ***buchananii*** (Hook.) A.Jaeger (*B. abakanense* Kaal.) – **UZB** [206], **RUS-AS**: S-SIB [69, 70, 198, 212], YAK [239], N-FE [140], S-FE [114, 212, 221]

— ***campestre*** (Müll.Hal.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **MLD** [367], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 364, 407], NE [207, 415], KLN [309], C [207, 212], N-UR [150, 207, 415], S-UR [150, 207, 212], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **TUR** [296], **TAD** [293, 296], **KYR** [267, 296, 351], **RUS-AS**: W-SIB [265], S-SIB [70], E-SIB [163], YAK [212, 258], ARC-FE [40], N-FE [40, 140], S-FE [76, 109, 212] — {16}

— ***capillaceum*** (F.Weber & D.Mohr) Giacom. (*B. rotaeanum* De Not., *B. salebrosum* subsp. *rotaeanum* (De Not.) J.J.Amann, *B. salebrosum* var. *capillaceum* (F.Weber & D.Mohr) Lorentz) – ?**BEL** [355], **MLD** [367], **RUS-EUR**: NW [289], NE [207, 212], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [212, 231, 248], **GEO** [117], **AZE** [277], **RUS-AS**: W-SIB [265], S-SIB [198, 212, 265], YAK [239], N-FE [140], S-FE [114, 212, 221]

— ?*caucasicum* Thér. – **GEO** [382] — {17}

— ***cirrosum*** (Schwägr.) Schimp. (*Cirriphyllum cirrosum* (Schwägr.) Grout) – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [207, 364, 407], NE [207, 415], N-UR [150, 207, 212], S-UR [150], CAUC [55, 212, 231, 248], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 198, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]

— ***complanatum*** Broth. – **RUS-AS**: S-SIB [198, 212], E-SIB [388], S-FE [212, 215, 221]

— ***coruscum*** I.Hagen – **RUS-EUR**: NW [364], **RUS-AS**: ARC-WSIB [128], ARC-ESIB [39], ARC-FE [40, 212], N-FE [40] — {18}

— ***erythrorrhizon*** Bruch et al. – **LAT** [3], **EST** [237], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 415], N-UR [150, 207], S-UR [150], CAUC [212, 231], **TAD** [296], **RUS-AS**: ARC-WSIB [136], S-SIB [70], ARC-YAK [47], ARC-FE [40], N-FE [140] — {19}

— ***erythrorrhizon*** subsp. ***asiaticum*** Ignatov – **RUS-EUR**: NE [207, 212], C [207, 212], S-UR [207, 212], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [198, 212, 265], E-SIB [74, 212, 247], YAK [212, 239], S-FE [212, 221] — {19}

— ***frigidum*** (Müll.Hal.) Besch. (*Brachythecium asperrimum* (Mitt. ex Müll. Hal.) Sull.) – **KAZ** [356] — {19a}

— *garovaglioides* Müll.Hal. (*B. wichurae* (Broth.) Paris – excluded — {20}

— ***geheebii*** Milde (*Homalothecium geheebii* (Milde) Wigh) – **UKR**: C [66], **RUS-EUR**: S-UR [150, 207, 212], CAUC [231, 248], **GEO** [117], **ARM** [297], **TUR** [9, 296]

— ***glareosum*** (Bruch ex Spruce) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [207, 212], S-UR [91, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296], **KYR** [267]

— ***kuroishicum*** Besch. – **RUS-AS**: S-FE [76, 77, 109, 212]

— ?*laetum* (Brid.) Bruch et al. (*B. oxycladon* auct. non (Brid.) A.Jaeger) – ?**UKR**: C [66], ?**RUS-EUR**: S-UR [150], ?**AZE** [277]
— ***mildeanum*** (Schimp.) Schimp. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [26, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 198, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 212, 221]
— ***rivulare*** Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **UZB** [267], **TAD** [294, 296], **KYR** [267, 296, 351], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 198, 212], E-SIB [212, 275], YAK [239], N-FE [94, 140], S-FE [76, 77, 109, 212]
— ***rutabulum*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **TAD** [294, 296], **KYR** [296], **RUS-AS**: W-SIB [265], S-SIB [197, 198, 212], E-SIB [275], S-FE [?76, 109, 212, 268, 340]
— ***salebrosum*** (F.Weber & D.Mohr) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [47], W-SIB [212, 265], S-SIB [69, 70, 198, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]
— ***tommasinii*** (Sendtn. ex Boulay) Ignatov & Huttunen (*Cirriphyllum tenuinerve* (Lindb.) Wijk & Margad., *C. tommasinii* (Sendtn. ex Boulay) Grout) – **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [407], N-UR [90], **GEO** [117], **AZE** [277] — {21}
— ***turgidum*** (Hartm.) Kindb. – **LAT** [3], **EST** [237], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], NE [207, 415], N-UR [150, 207, 212], CAUC [231], **KAZ** [159, 296, 356], **TAD** [294, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [47, 164, 212], W-SIB [265], S-SIB [69, 70, 198, 212], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40, 140]
— ***udum*** I.Hagen – **RUS-EUR**: ARC [414], NW [85, 212, 364, 287], NE [414], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [47], S-SIB [69, 70], E-SIB [163], ARC-YAK [47], YAK [239], ARC-FE [40, 212], N-FE [140]

Breidleria Loeske [Pylaisiaceae], see also *Calliergonella*
— ***pratensis*** (W.D.J.Koch ex Spruce) Loeske (*Hypnum pratense* W.D.J.Koch ex Spruce) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 415], S-UR [150, 207], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164], W-SIB [265], S-SIB [197, 200, 212], E-SIB [212, 386], YAK [212, 239], ARC-FE [40], N-FE [40, 140], S-FE [76, 109, 212]

Brothera Müll.Hal. [Leucobryaceae]
— ***leana*** (Sull.) Müll.Hal. – **RUS-AS**: S-SIB [69, 70, 212], S-FE [76, 212, 221]

Brotherella Loeske ex M.Fleisch. [Pylaisiadelphaceae], see also *Pylaisiadelpha*
— ***henonii*** (Duby) M.Fleisch. – **RUS-AS**: S-FE [77]

Bryhnia Kaurin [Brachytheciaceae]
— ***hultenii*** E.B.Bartram – **RUS-AS**: N-FE [40, 140], S-FE [109, 212, 221]
— ***novae-angliae*** (Sull. & Lesq.) Grout (?*B. brachycladula* Cardot, ?*B. noesica* (Besch.) Broth.) – **RUS-AS**: S-SIB [69, 212], N-FE [140], S-FE [77, 109, 212, 221]
— ***scabrida*** (Lindb.) Kaurin – **RUS-EUR**: NE [207], C [207], S-UR [207], **RUS-AS**: W-SIB [335], S-SIB [198, 205, 207], YAK [239]

Bryobrittonia R.S.Williams [Encalyptaceae]
— ***longipes*** (Mitt.) D.G.Horton – **RUS-EUR**: ARC [150, 415], NE [17], N-UR [150, 415], **KAZ** [296, 356], **RUS-AS**: ARC-ESIB [164, 193, 212], S-SIB [69, 70, 193, 212], E-SIB [193, 212], ARC-YAK [47, 212, 239], YAK [193, 212, 239], ARC-FE [40, 193, 212]
Bryochenea C.Gao & G.C.Zhang [Thuidiaceae], see also *Echinophyllum sachalinense*
— ***vestitissima*** (Besch.) Touw (*Thuidium vestitissimum* Besch.) – **RUS-AS**: S-FE [76, 212]
Bryoerythrophyllum P.C.Chen [Pottiaceae]
— ***alpigenum*** (Venturi) P.C.Chen (*B. recurvirostrum* var. *dentatum* (Schimp.) H.A.Crum, Steere & L.E.Anderson) – **UKR**: C [66], **TAD** [295], **RUS-AS**: S-SIB [197, 212], YAK [239], ARC-FE [40]
— ***ferruginascens*** (Stirt.) Giacom. – **RUS-EUR**: ARC [47], CAUC [212, 231, 248], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [212, 227], E-SIB [163], ARC-YAK [227, 239], YAK [227, 239], ARC-FE [40, 212], N-FE [40], S-FE [212, 221, 227]
— ***inaequalifolium*** (Taylor) R.H.Zander – **RUS-AS**: S-SIB [196, 212]
— ***recurvirostrum*** (Hedw.) P.C.Chen – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TUR** [296], **UZB** [296], **TAD** [294, 295], **KYR** [267, 296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 212]
— ***recurvirostrum*** var. ***brevifolium*** (Lindb. & Arnell) Podp. – **RUS-AS**: ARC-FE [40]
— ***rotundatum*** (Lindb. & Arnell) P.C.Chen – **TAD** [295], **RUS-AS**: ARC-ESIB [275], E-SIB [163]
— ***rubrum*** (Jur. ex Geh.) P.C.Chen – **RUS-EUR**: CAUC [102], **RUS-AS**: ARC-ESIB [39], ARC-FE [40]
Bryohaplocladium see *Haplocladium*
Bryonoguchia Z.Iwats. & Inoue [Thuidiaceae]
— ***molkenboeri*** (Sande Lac.) Z.Iwats. & Inoue (*Thuidium molkenboeri* Sande Lac.) – **RUS-AS**: S-FE [76, 109, 212]
Bryoxiphium Mitt. [Bryoxiphiaceae]
— ***norvegicum*** (Brid.) Mitt. – **RUS-AS**: YAK [239], ARC-FE [40]
— ***norvegicum*** var. ***japonicum*** (Berggr.) A.Löve & D.Löve (*B. savatieri* (Husn.) Mitt.) – **RUS-AS**: N-FE [110, 140], S-FE [76, 77, 212, 311, 358]
Bryum Hedw. [Bryaceae] — {22}{23}
— ***alexandri*** H.Philib. – **KAZ** [296] — {23}
— ***algovicum*** Sendtn. ex Müll.Hal. (*B. pendulum* (Hornsch.) Schimp., *B. jailae* Sapjegin, *B. algovicum* fo. *jailae* (Sapjegin) L.I.Savicz, *B. ardonense* Breidl.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **RUS-EUR**: ARC [47, 150], NW [207, 364, 407], KLN [309], C [207, 212, 345], N-UR [90, 150, 207, 415], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157], **TUR** [296], **TAD** [296], **KYR** [351], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], S-FE [76]
— ***alpinum*** Huds. ex With. (*Imbribryum alpinum* (Huds. ex With.) N.Pedersen) – **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: SE [207], CAUC [231], **GEO** [117], **ARM** [297], **KAZ** [23], **TUR** [296], **TAD** [19, 296], **KYR** [296], **RUS-AS**: S-SIB [197, 212], N-FE [140]
— ***altaicum*** Broth. – **RUS-AS**: S-SIB [70] — {23}
— ***amblyodon*** Müll.Hal. – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212, 345], N-UR [90, 207], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [275], S-SIB [69, 197, 212], E-SIB [212, 247, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [140], S-FE [76, 77, 212] — {24}
— ***amblyphyllum*** H.Philib. – **KYR** [296] — {23}
— ***archangelicum*** Bruch et al. – **LAT** [3], **RUS-EUR**: ARC [47, 150, 415], NW [85, 212, 364], N-UR [150, 415], CAUC [231], **RUS-AS**: ARC-WSIB [136], ARC-EIB [275], S-SIB [275], E-SIB [212, 247, 275], ARC-YAK [47, ?239], YAK [420], N-FE [140] — {24}

— ***arcticum*** (R. Br.) Bruch et al. – **LAT** [3], **EST** [237], **RUS-EUR**: ARC [47, 150, 415], NW [364, 407], NE [207], N-UR [207], CAUC [231], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [70, 212], E-SIB [126, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40], S-FE [340, ?76] — {25}
— ***arcticum*** var. ***kungeanum*** H.Philib. – **KAZ** [359]
— ***argenteum*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150, 415], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 159, 296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [267, 296, 351], **UZB** [267], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265, 275], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212, 221]
— ***argyroglyphodon*** H.Philib. – **KYR** [296] — {23}
— ***axel-blyttii*** Kaurin ex H.Philib. (*B. acutum* Lindb.) – **RUS-EUR**: ARC [47, 150], NW [364], N-UR [150], S-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [275], E-SIB [275, 420], ARC-YAK [47, 212, ?239], YAK [420] — {26}
— ***axillare*** H.Philib. – **KAZ** [359] — {23}
— ***badium*** (Bruch ex Brid.) Schimp. – **EST** [397], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: KLN [309], S-UR [150], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: S-SIB [70]
— ***bimum*** (Schreb.) Turner (*Plagiobryum bimum* (Schreb.) N.Pedersen) – **LTV** [244], **LAT** [3], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 364, 407], NE [207], KLN [309], C [207, 212], N-UR [150], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231], **GEO** [117], **KAZ** [23], **TAD** [296], **KYR** [296, 351], **RUS-AS**: ARC-ESIB [275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [275, 388], YAK [239], N-FE [140], S-FE [76, 77]
— ***blindii*** Bruch et al. – **LAT** [3], **EST** [237], **GEO** [117], **KAZ** [156, 157], **RUS-AS**: S-SIB [70] + MID-AS [296]
— ***bryoides*** (R. Br.) Wijk & Margad. – **RUS-EUR**: NW [364] — {25}
— ***bryoides*** var. ***terskeanum*** (H.Philib.) L.I.Savicz – **KAZ** [157], **KYR** [296] — {25}
— ***caespiticium*** Hedw. (incl. *B. comense* Schimp.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150, 415], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [267, 296, 351], **RUS-AS**: ARC-WSIB [136, 275], ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 247, 275], ARC-YAK [239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [212, 221] — {27}
— ***calcicola*** Arnell – **RUS-EUR**: ARC [47], S-UR [150], **RUS-AS**: E-SIB [65], ARC-YAK [47, ?239]
— ***calophyllum*** R.Br. – **LAT** [3], **EST** [237], **RUS-EUR**: ARC [47], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136, 275], ARC-ESIB [420], ARC-YAK [47, ?239], ARC-FE [40, 212], N-FE [40] — {26}
— ***capillare*** Hedw. (*Plagiobryum capillare* (Hedw.) N.Pedersen, *Bryum kaernbachii* Müll.Hal.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157, 296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212], YAK [239], ARC-FE [40], N-FE [40, 140], S-FE [76, 77, 109, 212]
— ***caucasicum*** (Schimp. ex Broth.) C.J.Cox & Hedd. (*Mielichhoferia himalayana* Mitt.) – **RUS-EUR**: CAUC [102, 212, 248], **TAD** [296]
— ***congestiflorum*** H.Philib. – **KYR** [296] — {23}
— ***crassimucronatum*** H.Philib. – **KYR** [296] — {23}
— ***creberrimum*** Taylor – **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 364, 407], NE [207, 212], KLN [309], C [207, 212], N-UR [150, 207, 212, 415],

S-UR [150, 207, 212, 275], SE [207, 212], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [23, 296], **TAD** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 275], W-SIB [212, 265, 275], S-SIB [69, 70, 212], E-SIB [212, 247, 275], YAK [239], ARC-FE [40], N-FE [140], S-FE [37, 212]

— ***cremocarpum*** Laz. – **TAD** [296] — {23}
— ***cryophilum*** Mårtensson (*B. tortifolium* Brid.) – **RUS-EUR**: NW [84], N-UR [150, 207], CAUC [212, 231, 248], **ARM** [297], **RUS-AS**: ARC-ESIB [164, 212, 275], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [212, 221]
— ***culmannii*** Limpr. – **RUS-EUR**: NW [364]
— ***cyclophyllum*** (Schwägr.) Bruch et al. (*Plagiobryum cyclophyllum* (Schwägr.) N.Pedersen) – **LTV** [244], **LAT** [3], **BEL** [355], **RUS-EUR**: ARC [47, 150], NW [207, 364, 407], KLN [309], C [207, 212], N-UR [150, 207], S-UR [89], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212, 275], W-SIB [147, 212], S-SIB [197, 212], E-SIB [74, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [38, 212], N-FE [140], S-FE [212, 221]
— ***dichotomum*** Hedw. (*Bryum bicolor* Dicks.) – **LTV** [244], **EST** [397], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NE [90, 212], KLN [309], C [207, 345], N-UR [90, 207], S-UR [150, 207], SE [207, 212], CAUC [231, 232, 250], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [296], **TAD** [296], **KYR** [267, 296], **RUS-AS**: ARC-ESIB [164], YAK [239], S-FE [76]
— ***donianum*** Grev. – **AZE** [277]
— ***ehlei*** Arnell – **RUS-AS**: ARC-YAK [47, 239] — {23}
— ***ekstamii*** L.I.Savicz – **RUS-EUR**: ARC [?47, 360, 361]
— ***elegans*** Nees (incl. *Bryum stirtonii* Schimp.) – **LAT** [3], **EST** [397], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [212, 273, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231], **GEO** [117], **TUR** [296], **TAD** [296], **KYR** [267, 296], **RUS-AS**: ARC-WSIB [?136], ARC-ESIB [164, 420], S-SIB [197, 212], ARC-FE [40], N-FE [40, 140], S-FE [76, 109, 212, 221] — {28}
— ***enisseense*** L.I.Savicz – **RUS-AS**: E-SIB [360] — {23, 29}
— ***funckii*** Schwägr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [?355], **UKR**: C [66], M [66], **RUS-EUR**: NE [207, 212, 416], C [207, 212, 345], S-UR [150, 207, 275], SE [207], CAUC [248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 296, 356], **TUR** [296], **TAD** [293, 296], **KYR** [296], **UZB** [267], **RUS-AS**: ARC-WSIB [136], W-SIB [265], S-SIB [69], E-SIB [74, 212, 275], S-FE [76]
— ***gemmilucens*** R.Wilczek & Demaret – **LTV** [244], **UKR**: K [328], **TUR** [296]
— ***gemmiparum*** De Not. – **UKR**: C [66], K [66, 328], **GEO** [117], **AZE** [277], **TUR** [368]
— ***intermedium*** (Brid.) Blandow – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 364, 291], NE [207, 212, 415], KLN [309], C [207, 212, 345], N-UR [207], S-UR [150, 207, 212], CAUC [231], **GEO** [117], **KAZ** [157, 296], **KYR** [296], **RUS-AS**: ARC-ESIB [164, 275], W-SIB [265], S-SIB [69], E-SIB [275], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [140] — {30}
— ***jailae*** Sapjegin – **UKR**: K [66]
— ***klinggraeffii*** Schimp. – **LTV** [244], **EST** [237], **BEL** [355], **UKR**: C [66], M [398], **RUS-EUR**: C [207, 420]
— ***knowltonii*** Barnes – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: NW [207, 212, 364, 407], C [207], ?N-UR [150], **RUS-AS**: ARC-ESIB [420], YAK [239], ARC-FE [420], S-FE [275]
— ***kunzei*** Hornsch. – **UKR**: C [66], M [66], **RUS-EUR**: C [207, 345], S-UR [150, 207], SE [207, 366], CAUC [208, 212, 231, 248], **TAD** [294], **RUS-AS**: S-SIB [70, 212]
— ***labradorense*** H.Philib. – **RUS-EUR**: ARC [47, 150], NW [364], S-UR [150, 212], **RUS-AS**: ARC-WSIB [136]
— *laevifilum* see *B. moravicum*
— ***lapponicum*** Kaurin, nom. illeg. – **RUS-EUR**: NW [364] — {31}
— ***leptoglyphodon*** H.Philib. – **KAZ** [296, 356], **UZB** [359], **TAD** [296, 359], **KYR** [296, 359]
— ***leucoglyphodon*** H.Philib. – **KAZ** [296], **KYR** [296] — {23}
— ***lonchocaulon*** Müll.Hal. (*B. saxatile* I.Hagen) – **BEL** [355*], **UKR**: C [66], M [66], K [66, 328], **MLD**

[367], **RUS-EUR**: NW [207, 364, 407], NE [207], C [207, 212], N-UR [207], S-UR [207, 212], SE [207, 212], CAUC [231], **GEO** [117*], **AZE** [277], **KAZ** [296, 356], **TAD** [294, 296], **KYR** [296], **RUS-AS**: ARC-ESIB [275], W-SIB [147, 212], S-SIB [69, 70, 212], E-SIB [69, 212, 275], YAK [239], N-FE [140] — {32}

— ***longisetum*** Blandow ex Schwägr. – **BEL** [355], **RUS-EUR**: NW [364], KLN [309], C [423], **RUS-AS**: S-SIB [420]
— ***marratii*** Hook. f. & Wilson – **LAT** [3], **EST** [237], **RUS-AS**: S-SIB [420]
— ***mayrii*** Broth. – **RUS-AS**: S-FE [67, 361]
— ***microcalophyllum*** H.Philib. – **KYR** [296] — {23}
— ***mildeanum*** Jur. – **UKR**: C [66], **RUS-EUR**: NW [364], CAUC [232], **GEO** [117], MID-AS [296], **RUS-AS**: S-SIB [420]
— ***mirabile*** Müll.Hal. – **RUS-AS**: ARC-FE [40]
— ***mollifolium*** H.Philib. – **KYR** [296] — {23}
— ***moravicum*** Podp. (*B. laevifilum* Syed, *B. subelegans* auct. non Kindb.) – **LTV** [244], **LAT** [3], **EST** [237, 397], **BEL** [355], **UKR**: [66], K [328], **MLD** [367], **RUS-EUR**: NW [207, 212, 289, 364], NE [207, 212], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TUR** [368], **TAD** [296], **KYR** [267, 296], **UZB** [267], **RUS-AS**: S-SIB [70, 212], E-SIB [388], YAK [239], N-FE [40, 140], S-FE [212, 77, 221]
— ***mucronifolium*** H.Philib. – **KYR** [296] — {23}
— ***muehlenbeckii*** Bruch et al. (*Imbribryum muehlenbeckii* (Bruch et al.) N.Pedersen) – **RUS-EUR**: NW [364, 407], CAUC [231], **GEO** [117], **RUS-AS**: S-SIB [212, 334]
— ***murale*** Wilson ex Hunt – **GEO** [117]
— ***murmanicum*** Broth. – **RUS-EUR**: NW [85, 212, 364]
— ***neodamense*** Itzigs. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **RUS-EUR**: ARC [47, 150, 415], NW [364], KLN [309], N-UR [150, 415], CAUC [231], **RUS-AS**: ARC-WSIB [?136], ARC-ESIB [164, 275, 420], W-SIB [265], S-SIB [70], E-SIB [275, 388], ARC-YAK [47, 239], YAK [239], N-FE [420], S-FE [76] — {33}
— ***nitidulum*** Lindb. – **RUS-EUR**: ARC [47], **RUS-AS**: ARC-WSIB [?47], ARC-ESIB [?47], ARC-YAK [47, ?239], ARC-FE [40, 212] — {30}
— ***oblongum*** Lindb. – **LAT** [3], **RUS-EUR**: NW [85, 212, 364], NE [207], C [420], **RUS-AS**: E-SIB [275], YAK [239]
— ***obtusidens*** Arnell – **RUS-AS**: ARC-YAK [47, 239] — {23}
— ***pallens*** Sw. ex anon. (*Plagiobryum pallens* (Sw. ex anon.) N.Pedersen) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212, 345], N-UR [150, 207, 415], S-UR [150, 207, 212], SE [207], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164], W-SIB [212, 265], S-SIB [70, 212], E-SIB [275, 388], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [140], S-FE [76, 109, 212]
— ***pallescens*** Schleich. ex Schwägr. (*Plagiobryum pallescens* (Schleich. ex Schwägr.) N.Pedersen, *B. obconicum* Hornsch. ex Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355*], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [212, 364, 407], NE [207, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], SE [207], CAUC [212, 231], **GEO** [117*], **ARM** [297], **AZE** [277], **KAZ** [157, 296], **TUR** [296], **TAD** [296], **KYR** [296], **UZB** [267], **RUS-AS**: ARC-WSIB [136], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, ?247], ARC-YAK [47, ?239], YAK [?239], ARC-FE [40], N-FE [140] — {32}
— ***pallescens*** var. ***microblastum*** (Müll.Hal.) Podp. – **RUS-AS**: ARC-FE [40] — {23}
— ***pallescens*** var. ***pootonense*** Podp. – **RUS-AS**: ARC-FE [40] — {23}
— ***pallescens*** var. ***turkestanicum*** (Podp.) L.I.Savicz – **KYR** [296] — {23}
— ***pamirense*** H.Philib. ex Broth. – **RUS-EUR**: ?NE [416], **TAD** [296] — {23}
— ***pamiro-mucronatum*** H.Philib. ex Broth. – **TAD** [296] — {23}
— ***pseudotriquetrum*** (Hedw.) P.Gaertn., B.Mey. & Scherb. (*Plagiobryum pseudotriquetrum* (Hedw.)

N.Pedersen) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 296, 356], **TAD** [294, 296], **KYR** [296], **UZB** [267], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140], S-FE [76, 77, 212]

— ***purpurascens*** (R. Br.) Bruch et al. (*Plagiobryum purpurascens* (R. Br.) N.Pedersen, *B. serotinum* Lindb.) – **RUS-EUR**: ARC [47, 150, 415], NW [85, 212, 364], NE [207, 415], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212, 263, 275], W-SIB [212, 265], S-SIB [69], ARC-YAK [?47], YAK [?239], ARC-FE [?40] — {25}

— ***pygmaeomucronatum*** H.Philib. – **KYR** [296] — {23}

— ***radiculosum*** Brid. – **RUS-EUR**: CAUC [231, 232, 250], **ARM** [297], **RUS-AS**: S-FE [420]

— ***rubens*** Mitt. – **LTV** [244], **LAT** [3], **EST** [396], **BEL** [355], **UKR**: C [66, 398], M [66, 398], **RUS-EUR**: NW [420], KLN [309], C [207, 345], N-UR [207], SE [207], CAUC [232, 420], **ARM** [297], **AZE** [361]

— ***ruderale*** Crundw. & Nyholm – **LTV** [244], **UKR**: M [398], **AZE** [277]

— ***rutilans*** Brid. – **RUS-EUR**: ARC [47, 150], NW [85, 212, 291, 364], NE [415], N-UR [150], **TUR** [296], **RUS-AS**: ARC-ESIB [47, 50, 275], ARC-YAK [49, 239], ARC-FE [40, 140]

— ***salinum*** I.Hagen ex Limpr. – **EST** [237], **RUS-EUR**: ARC [47], NW [85, 212, 291, 364], S-UR [373], **RUS-AS**: ARC-ESIB [420], YAK [239], S-FE [109]

— ***sauteri*** Bruch et al. – **RUS-EUR**: C [419], CAUC [102]

— ***savicziae*** Schljakov – **RUS-EUR**: NW [362], **RUS-AS**: S-SIB [420]

— ***schleicheri*** DC. – **LTV** [244], **BEL** [355], **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [364], NE [416], C [207], N-UR [150], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [267, 296, 351], **UZB** [267], **RUS-AS**: ARC-ESIB [164], W-SIB [212, 265], S-SIB [70, 212], E-SIB [163, 388], ARC-FE [40], N-FE [140], S-FE [67, as *B. turbinatum*] — {34}

— ***sibiricum*** Lindb. & Arnell – **RUS-AS**: E-SIB [275], YAK [?239]

— ***spinifolium*** H.Philib. – **KYR** [296] — {23}

— ***subapiculatum*** Hampe (*B. erythrocarpum* auct. partim, *B. microerythrocarpum* Müll.Hal. & Kindb. ex Macoun) – **LTV** [244], **EST** [237], **UKR**: M [398], K [328, 398], **RUS-EUR**: NW [207, 420], C [207, 212, 345], S-UR [150], SE [207, 212, 366], **GEO** [117], **RUS-AS**: S-FE [79, 212]

— ***subcalophyllum*** (H.Philib.) Paris – **KYR** [296] — {23}

— ***submucronatum*** H.Philib. – **KYR** [296] — {23}

— ***taimyrense*** Broth. & Bryhn – **RUS-AS**: ARC-ESIB [361], ARC-YAK [47, ?239]

— *tardum* Bomanss. – excluded — {34}

— ***tenuisetum*** Limpr. – **UKR**: M [405] — {34}

— ***teres*** Lindb. – **RUS-EUR**: ARC [47], NW [364], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212]

— ***terskeiense*** Paris (*B. paradoxum* H.Philib.) – **KYR** [296] — {23}

— ***tesselatum*** H.Philib. – **KYR** [296] — {23}

— ***timmiostomoides*** H.Philib. – **KAZ** [296, 356], **KYR** [296] — {23}

— ***torquescens*** Bruch et al. – **UKR**: K [66, 328], **RUS-EUR**: CAUC [212, 232], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [368], **TAD** [296], **KYR** [296]

— ***turbinatum*** (Hedw.) Turner (*B. planiusculum* Lindb. & Arnell) – **LTV** [244], **LAT** [3], **EST** [396], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [207], NE [207], KLN [309], C [207, 212], N-UR [150], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **UZB** [347], **TAD** [296], **KYR** [267, 296], **RUS-AS**: E-SIB [388], YAK [239] — {34}

— ***uliginosum*** (Brid.) Bruch et al. (*Plagiobryum uliginosum* (Brid.) N.Pedersen) – **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [207, 283, 364], NE [207, 212], KLN [309], C [207, 212], CAUC [212, 248], **GEO** [117], **ARM** [297], **TAD** [296], **RUS-AS**: W-SIB [265], S-SIB [197, 212], E-SIB [388], N-FE [140], S-FE [77, 109, 212]

— ***umbratum*** I.Hagen – **RUS-EUR**: NW [364]
— ***utriculatum*** Müll.Hal. – **RUS-AS**: ARC-FE [40] — {23}
— ***vernum*** H.Philib. – **KYR** [296] — {23}
— ***veronenese*** De Not. – **UKR** [66]
— ***violaceum*** Crundw. & Nyholm – **LTV** [244], **UKR**: M [398], **RUS-EUR**: NW [283], C [207, 212, 345], **RUS-AS**: W-SIB [420]
— ***warneum*** (Röhl.) Brid. (*B. mamillatum* Lindb., *B. oelandicum* H.Philib.) – **LAT** [3], **EST** [237], **BEL** [355], **RUS-EUR**: KLN [309], C [207], **RUS-AS**: S-SIB [69, 70], YAK [239]
— ***weigelii*** Spreng. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [231], **GEO** [117], **ARM** [297], **AZE** [277], **KYR** [296], **RUS-AS**: ARC-ESIB [93], W-SIB [265], S-SIB [197, 212], E-SIB [275], ARC-YAK [47], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [114]
— ***wrightii*** Sull. (*Plagiobryum wrightii* (Sull.) N.Pedersen) – **RUS-EUR**: ARC [47, 150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], E-SIB [163, 275], ARC-YAK [47, 239], YAK [?239], ARC-FE [40, 212], N-FE [40]
— ***zemliae*** Arnell & Jäderh. – **RUS-EUR**: ARC [47] — {23}

Bucklandiella Roiv. [Grimmiaceae]
— ***affinis*** (F.Weber & D.Mohr) Bednarek-Ochyra & Ochyra (*Racomitrium affine* (Schleich. ex F.Weber & D.Mohr) Lindb.) – **UKR**: [66], **RUS-EUR**: NW [407], **RUS-AS**: S-SIB [70]
— ***afoninae*** (Frisvoll) Bednarek-Ochyra & Ochyra (*Racomitrium afoninae* Frisvoll) – **RUS-AS**: ARC-FE [40, 212]
— ***heterosticha*** (Hedw.) Bednarek-Ochyra & Ochyra (*Racomitrium heterostichum* (Hedw.) Brid.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207, 407], NE [212], ?N-UR [415], KLN [309], C [207, 212], **GEO** [117] — {35}
— ***laeta*** (Besch. & Cardot) Bednarek-Ochyra & Ochyra (*Racomitrium laetum* Besch. & Cardot) – **RUS-AS**: S-FE [212, 221]
— ***macounii*** (Kindb.) Bednarek-Ochyra & Ochyra subsp. ***alpina*** (E.Lawton) Bednarek-Ochyra & Ochyra (*Racomitrium macounii* subsp. *alpinum* (E.Lawton) Frisvoll) – **RUS-EUR**: CAUC [55, 212, 231]
— ***microcarpa*** (Hedw.) Bednarek-Ochyra & Ochyra (*Racomitrium microcarpon* (Hedw.) Brid.) – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150, 415], NW [207, 212, 364, 407], C [207, 212], N-UR [90, 150, 207, 212, 415], S-UR [150, 207, 212], **RUS-AS**: S-SIB [69, 70, 202, 212], E-SIB [74, 212, 247], YAK [239], ARC-FE [40], N-FE [140], S-FE [76, 212, 221]
— ***microcarpa*** fo. ***afoninae*** (Frisvoll) Bednarek-Ochyra & Ochyra – **RUS-AS**: ARC-FE [40]
— ***nitidula*** (Cardot) Bednarek-Ochyra & Ochyra – **RUS-AS**: N-FE [140]
— ***sudetica*** (Funck) Bednarek-Ochyra & Ochyra (*Racomitrium sudeticum* (Funck) Bruch et al.) – **EST** [397], **UKR**: C [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [212, 273, 364, 407], N-UR [150, 207, 212, 415], S-UR [150, 207], CAUC [55, 212, 231, 248], **GEO** [18, 117], **ARM** [297], **RUS-AS**: ARC-ESIB [212, 263], S-SIB [69, 70, 202, 212], E-SIB [74, 212, 247], ARC-YAK [47], YAK [239], ARC-FE [40], N-FE [140], S-FE [212, 221]
— ***sudetica*** fo. ***terricola*** (Frisvoll) Bednarek-Ochyra & Ochyra – **RUS-AS**: ARC-FE [40]

Buxbaumia Hedw. [Buxbaumiaceae]
— ***aphylla*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], **GEO** [117], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 275], YAK [239], ARC-FE [40], N-FE [94, 110, 140], S-FE [109, 212, 221]
— ***minakatae*** S.Okamura – **RUS-AS**: S-SIB [69, 70, 197, 212], S-FE [76, 212]
— ***viridis*** (Moug. ex Lam. & DC.) Brid. ex Moug. & Nestl. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [328], **RUS-EUR**: KLN [309], NW [261], CAUC [55, 212, 231], **GEO** [117], **AZE** [277]

Callialaria see *Cratoneuron*

Callicladium H.A.Crum [Pylaisiaceae]
— ***haldanianum*** (Grev.) H.A.Crum (*Heterophyllium haldanianum* (Grev.) Kindb.) – **LTV** [244], **LAT**

[3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 415], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **KAZ** [296, 356], **RUS-AS**: W-SIB [212, 265, 275], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-FE [40], N-FE [140], S-FE [76, 77, 109, 212]

Calliergon (Sull.) Kindb. [Calliergonaceae], see also *Straminergon stramineum, Warnstorfia sarmentosa, Pseudocalliergon trifarium*

— ***cordifolium*** (Hedw.) Kindb. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296], **TAD** [26, 296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***giganteum*** (Schimp.) Kindb. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212], **GEO** [117], **AZE** [277], **KAZ** [296, 356], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 197, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212, 221]

— ***megalophyllum*** Mikut. – **LAT** [3], **EST** [237], **RUS-EUR**: ARC [47, 127], NW [207, 407], NE [207], C [207], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], E-SIB [163], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40], N-FE [94, 140]

— ***richardsonii*** (Mitt.) Kindb. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], CAUC [212, 248], **GEO** [117], **KAZ** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [114, 212, 221]

Calliergonella Loeske [Pylaisiaceae] — {36}

— ***cuspidata*** (Hedw.) Loeske – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296], **UZB** [267], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [93, 96, 212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 247], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***lindbergii*** (Mitt.) Hedenäs (*Hypnum lindbergii* Mitt., *Breidleria arcuata* (Molendo) Loeske) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

Camptothecium see *Homalothecium lutescens, Tomentypnum nitens* (=*Campthothecium trichoides*)

Campyliadelphus (Kindb.) R.S.Chopra [Amblystegiaceae]

— ***chrysophyllus*** (Brid.) R.S.Chopra (*Campylium chrysophyllum* (Brid.) Lange) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 273, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [47, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140], S-FE [76, 77, 114, 212]

— ***elodes*** (Lindb.) Kanda (*Campylium elodes* (Lindb.) Kindb.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **ARM** [297], **RUS-EUR**: NW [407], **RUS-AS**: S-FE [76]

Campylidium (Kindb.) Ochyra [Amblystegiaceae] — {37}

— ***calcareum*** (Crundw. & Nyholm) Ochyra (*Campylium calcareum* Crundw. & Nyholm, *Campylophyllum calcareum* (Crundw. & Nyholm) Hedenäs) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [63, 291, 364], NE [416], C [207, 212, 345], N-UR [207], S-UR [212, 422], SE [207], **RUS-AS**: YAK [239], ARC-FE [40], N-FE [40]

— ***hispidulum*** (Brid.) Ochyra (*Campylium hispidulum* (Brid.) Mitt., *Campylophyllum hispidulum* (Brid.) Hedenäs – **RUS-EUR**: ?ARC [47, 150], ?NW [212], ?C [212, 345], ?N-UR [150], ?S-UR [150, 212], ?**GEO** [117], ?**KAZ** [296], **RUS-AS**: ?ARC-WSIB [136], ?W-SIB [212, 265], ?S-SIB [69, 70, 212], ?E-SIB [69, 212], ?ARC-YAK [47, 239], ?YAK [212, 239], ?ARC-FE [40], ?N-FE [94, 140], ?S-FE [76, 77, 109, 212] — {38}

— ***sommerfeltii*** (Myrin) Ochyra (*Campylium sommerfeltii* (Myrin) Lange, *Campylophyllum sommerfeltii* (Myrin) Hedenäs) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [231, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [239], YAK [212, 239], N-FE [40, 140], S-FE [76, 109, 212]

Campylium (Sull.) Mitt. [Amblystegiaceae], see also *Amblystegium radicale, Campylidium sommerfeltii,* etc., *Campyliadelphus chrysophyllus,* etc., *Campylophyllum halleri, Drepanocladus polygamus, D. arcticus* (=*Campylium zemliae*), *Podperaea krylovii*

— ***longicuspis*** (Lindb. & Arnell) Hedenäs – **RUS-AS**: ARC-WSIB [136], ARC-ESIB [47, 275], S-SIB [197], E-SIB [163, 275], ARC-YAK [47, 239], ARC-FE [40] — {39}

— ***protensum*** (Brid.) Kindb. (*C. stellatum* subsp. *protensum* (Brid.) C.E.O.Jensen, *C. stellatum* var. *protensum* (Brid.) Bryhn) – **LTV** [244], **LAT** [1], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **MLD** [367], **RUS-EUR**: ARC [47], NW [212, 273, 364, 407], NE [414], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40, 140], S-FE [79, 212]

— ***squarrosulum*** (Besch. & Cardot) Kanda – **RUS-AS**: S-FE [78, 178] — {40}

— ***stellatum*** (Hedw.) C.E.O.Jensen – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 212], S-UR [150, 212], CAUC [55, 212], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **TAD** [26, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212, 221] — {41}

Campylophyllum (Schimp.) M.Fleisch. [Amblystegiaceae]

— ***halleri*** (Hedw.) M.Fleisch. (*Campylium halleri* (Hedw.) Lindb.) – **EST** [237], **UKR**: C [66], **RUS-EUR**: NW [364, 407], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [55, 212], **GEO** [13, 117], **ARM** [297], **RUS-AS**: ARC-ESIB [93], S-SIB [69, 70, 212], YAK [212, 239], S-FE [114]

Campylopus Brid. [Leucobryaceae]

— ***atrovirens*** De Not. – **RUS-AS**: N-FE [140]

— ***flexuosus*** (Hedw.) Brid. – **RUS-EUR**: KLN [309], **GEO** [117]

— ***fragilis*** (Brid.) Bruch et al. – **UKR**: C [66], M [66], **RUS-EUR**: CAUC [102, 248], **RUS-AS**: S-SIB [197, 212], S-FE [178]

— ***gracilis*** (Mitt.) A.Jaeger (*C. schwarzii* Schimp.) – **UKR**: C [66]

— ***introflexus*** (Hedw.) Brid. – **LTV** [244], **LAT** [5], **RUS-EUR**: KLN [309, 352]

— ***pyriformis*** (Schultz) Brid. – **EST** [237], **RUS-EUR**: KLN [309], **GEO** [31, 117], **RUS-AS**: S-FE [76, 268]

— ***schimperi*** Milde (*C. subulatus* var. *schimperi* (Milde) Husn.) – **RUS-EUR**: CAUC [55, 102, 212, 248], **GEO** [102], **RUS-AS**: ARC-ESIB [?47], S-SIB [197, 212], ARC-FE [40], N-FE [140], S-FE [212, 221]

— ***subulatus*** Schimp. ex Milde – **RUS-EUR**: NW [364], ?CAUC [31, 231], **RUS-AS**: ARC-FE [40], N-FE [140]

— ***umbellatus*** (Arn.) Paris – **RUS-AS**: N-FE [235]

Campylostelium Bruch et al. [Ptychomitriaceae]
— ***pitardii*** (Corb.) E.Maier (*Grimmia pitardii* Corb., *Usmania campylopoda* Laz.) – **TUR** [296], **UZB** [306], **TAD** [295, 296] — {42}
— ***saxicola*** (F.Weber & D.Mohr) Bruch et al. – **UKR**: C [66, 413]
— ***strictum*** Solms – **UKR**: C [66, 413] — {43}
Catoscopium Brid. [Catoscopiaceae]
— ***nigritum*** (Hedw.) Brid. – **LAT** [3], **EST** [237], **BEL** [355], **RUS-EUR**: ARC [47, 414], NW [207, 212, 364, 407], NE [207, 415], C [207], **GEO** [13], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 275], S-SIB [69, 70, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40, 94], S-FE [114]
Ceratodon Brid. [Ditrichaceae]
— ***conicus*** (Hampe) Lindb. (*C. purpureus* var. *conicus* (Hampe) Husn.) – **EST** [237], **RUS-EUR**: CAUC [102], **GEO** [102, 117]
— ***heterophyllus*** Kindb. (*C. purpureus* var. *rotundifolius* Berggr.) – **RUS-EUR**: ARC [42], **RUS-AS**: ARC-WSIB [47], ARC-ESIB [47, 50, 164], ARC-YAK [239], ARC-FE [40], N-FE [140] — {44}
— ***purpureus*** (Hedw.) Brid. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TUR** [296], **TAD** [294, 295], **KYR** [351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]
Cinclidium Sw. [Mniaceae]
— ***arcticum*** (Bruch et al.) Schimp. – **RUS-EUR**: ARC [47], N-UR [150, 415], **ARM** [297], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [69, 70, 212], E-SIB [126, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40, 94]
— ***latifolium*** Lindb. (*C. minutifolium* Broth.) – **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140] — {45}
— ***stygium*** Sw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 345], N-UR [90, 150, 207, 212], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [96, 212], W-SIB [265], S-SIB [70, 212], E-SIB [126, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [40, 140]
— ***subrotundum*** Lindb. – **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140]
Cinclidotus P.Beauv. [Pottiaceae]
— ***aquaticus*** (Hedw.) Bruch et al. – **UKR**: K [66, 328]
— ***danubicus*** Schiffn. & Baumgartner – **LAT** [3], **BEL** [355]
— ***fontinaloides*** (Hedw.) P.Beauv. – **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: CAUC [55, 208, 212], **GEO** [117], **AZE** [277], **KAZ** [157, 393], **KYR** [296], **UZB** [267]
— ***riparius*** (Host ex Brid.) Arn. – **UKR**: K [328], **RUS-EUR**: CAUC [55, 212], **GEO** [117], **ARM** [297], **KAZ** [156, 157, 159], **UZB** [347], **TAD** [294, 295], **KYR** [296, 349, 351], **RUS-AS**: S-SIB [70, 197]
Cirriphyllum Grout [Brachytheciaceae], see also *Brachythecium cirrosum, B. tommasinii* (=*C. tenuinerve, C. vaucheri*), *Sciuro-hypnum flotowianum* (=*C. velutinoides, C. reichenbachianum*)
— ***crassinervium*** (Taylor) Loeske & M.Fleisch. (*Eurhynchium crassinervium* (Taylor) Schimp.) – **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: CAUC [55, 208, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [296], **KYR** [350]
— ***piliferum*** (Hedw.) Grout – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: ARC [150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117],

ARM [297], **AZE** [277], **KAZ** [156], **KYR** [296], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 70, 198, 212], E-SIB [69, 212, 275], S-FE [77, 212]

Claopodium (Lesq. & James) Renauld & Cardot [*Leskeaceae]

— *crispifolium* (Hook.) Renauld & Cardot – excluded — {46}

— ***pellucinerve*** (Mitt.) Best – **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 275], YAK [239], N-FE [140], S-FE [76, 77, 109, 212]

— ***rostratum*** (Hedw.) Ignatov, comb. nov. – *Leskea rostrata* Hedw., Spec. Musc. Frond. 225. tab. 55 figs. 13–18. 1801. (*Anomodon rostratus* (Hedw.) Schimp.) – **UKR**: C [66], **RUS-EUR**: CAUC [55, 102, 212], **GEO** [117] — {47}

Cleistocarpidium Ochyra & Bednarek-Ochyra [Ditrichaceae]

— ***palustre*** (Bruch & Schimp.) Ochyra & Bednarek-Ochyra (*Pleuridium palustre* (Bruch & Schimp.) Bruch et al., *Sporledera palustris* (Bruch & Schimp.) Hampe) – **UKR**: C [66], M [66] + CAUCASUS [341]

Climacium F.Weber & D.Mohr [Climaciaceae]

— ***dendroides*** (Hedw.) F.Weber & D.Mohr – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **TAD** [26, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***japonicum*** Lindb. – **RUS-AS**: N-FE [140], S-FE [76, 212]

Cnestrum I.Hagen [Rhabdoweisiaceae]

— ***alpestre*** (Wahlenb. ex Huebener) Nyholm ex Mogensen (*Cynodontium alpestre* (Wahlenb. ex Huebener) Milde) – **RUS-EUR**: ARC [47, 127, 150], NW [273, 364, 407], N-UR [150, 415], S-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 275], S-SIB [69, 197, 212], E-SIB [126, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40], S-FE [212, 275, 221]

— ***glaucescens*** (Lindb. & Arnell) Holmen ex Mogensen & Steere (*Cynodontium glaucescens* (Lindb. & Arnell) Paris – **RUS-EUR**: NW [145], **RUS-AS**: ARC-ESIB [275], S-SIB [69, 70], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [40], S-FE [76, 212] — {48}

— ***schisti*** (F.Weber & D.Mohr) I.Hagen – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [212, 364, 407], NE [207, 415], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [231], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [74, 126, 212], YAK [239], ARC-FE [40], N-FE [40, 94, 140], S-FE [76, 212, 221]

Codriophorus P.Beauv. [Grimmiaceae]

— ***acicularis*** (Hedw.) P.Beauv. (*Racomitrium aciculare* (Hedw.) Brid.) – **EST** [237], **UKR**: C [66, 81], M [66], **RUS-EUR**: ARC [47, 81], NW [81, 212, 273, 364, 407], N-UR [81, 150, 212], S-UR [81, 150, 207, 212], CAUC [81, 231], **GEO** [81, 117], **ARM** [297] — {49}

— ***aquaticus*** (Brid. ex Schrad.) Bednarek-Ochyra & Ochyra (*Racomitrium aquaticum* (Brid. ex Schrad.) Brid.) – **UKR**: C [66, 81], **RUS-EUR**: NW [81, 407], S-UR [81, 207], CAUC [55, 81, 212, 231], **GEO** [81, 117] — {50}

— ***brevisetus*** (Lindb.) Bednarek-Ochyra & Ochyra (*Racomitrium brevisetum* Lindb.) – **RUS-AS**: N-FE [81, 140], S-FE [81, 109, 212]

— ***carinatus*** (Cardot) Bednarek-Ochyra & Ochyra – **RUS-AS**: N-FE [81, 140], S-FE [116]

— ***corrugatus*** Bednarek-Ochyra – **RUS-AS**: ARC-YAK [81, 239], S-SIB [81], E-SIB [388], N-FE [81, 140], S-FE [67]

— ***fascicularis*** (Hedw.) Bednarek-Ochyra & Ochyra (*Racomitrium fasciculare* (Hedw.) Brid.) – **EST** [237], **RUS-EUR**: ARC [47, 81, 150], NW [81, 212, 273, 364, 407], KLN [309], N-UR [81, 150, 415], **RUS-AS**: ARC-ESIB [47, 81], ARC-FE [40, 81, 212], N-FE [81, 94, 140], S-FE [76, 77, 81, 212]

— ***mollis*** (Cardot) Bednarek-Ochyra & Ochyra – **RUS-AS**: N-FE [81]

Conardia H.Rob. [Calliergonaceae]

— ***compacta*** (Drumm. ex Müll.Hal.) H.Rob. (*Amblystegium compactum* (Drumm. ex Müll.Hal.) Austin, *Rhynchostegiella compacta* (Drumm. ex Müll.Hal.) Loeske) – **LAT** [3], **EST** [237], **UKR**: M [66], **RUS-EUR**: NW [407], C [207, 345], S-UR [150, 207], CAUC [212, 231], **KAZ** [20, 296], **TAD** [294, 296], **KYR** [296], **RUS-AS**: W-SIB [266], S-SIB [69, 70, 197], E-SIB [162], YAK [239], S-FE [77]

Conostomum Sw. ex F.Weber & D.Mohr [Bartramiaceae]
— ***tetragonum*** (Hedw.) Lindb. – **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], N-UR [150, 415], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]
Coscinodon Spreng. [Grimmiaceae] {51}
— ***cribrosus*** (Hedw.) Spruce – **UKR**: C [66], K [328], **RUS-EUR**: ARC [47, 127, 150], NW [364, 407], CAUC [102, 212, 231, 248], **GEO** [117], **KAZ** [296, 356], **TAD** [294, 295], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [74, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [79, 212]
Cratoneuron (Sull.) Spruce [Amblystegiaceae], see also *Palustriella commutata, P. decipiens*
— ***curvicaule*** (Jur.) G.Roth (*Callialaria curvicaule* (Jur.) Ochyra , *Cratoneuron filicinum* var. *curvicaule* (Jur.) Mönk.) – **RUS-EUR**: ARC [47], NE [415], **KAZ** [296, 356], **TAD** [296], **RUS-AS**: ARC-ESIB [164], E-SIB [163], W-SIB [265], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212]
— ***filicinum*** (Hedw.) Spruce – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TUR** [267, 296], **UZB** [347], **TAD** [294, 296], **KYR** [296, 349, 351], **RUS-AS**: ARC-ESIB [93, 212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140], S-FE [76, 77, 109, 212]
Crossidium Jur. [Pottiaceae]
— ***crassinerve*** (De Not.) Jur. (*C. chloronotos* auct. non (Brid.) Limpr.) – **MLD** [367], **AZE** [277], **TUR** [296], **TAD** [294, 295]
— ***squamiferum*** (Viv.) Jur. – **UKR**: K [328], **RUS-EUR**: C [207], SE [207], CAUC [232], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [160, 295], **TUR** [295, 296], **UZB** [296], **TAD** [295], **KYR** [296, 351], **RUS-AS**: S-SIB [70, 197]
— ***squamiferum*** var. ***pottioideum*** (De Not.) Mönk. (*C. griseum* (Jur.) Jur.) – **GEO** [102], **TUR** [267, 295, 296], **UZB** [295, 296], **TAD** [294, 295], **KYR** [267, 296]
Crumia W.B.Schofield [Pottiaceae]
— ***latifolia*** (Kindb.) W.B.Schofield – **ARM** [297]
Cryphaea D.Mohr [Cryphaeaceae]
— ***amurensis*** Ignatov – **RUS-AS**: S-FE [116, 203, 212, 221]
— ***heteromalla*** (Hedw.) D.Mohr – **RUS-EUR**: CAUC [203]
Ctenidium (Schimp.) Mitt. [Hylocomiaceae], see also *Stereodon procerrimus*
— ?*capillifolium* (Mitt.) Broth. – **RUS-AS**: S-FE [376] — {52}
— ***molluscum*** (Hedw.) Mitt. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [212, 407], KLN [309], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [92, 96, 212], E-SIB [163], ARC-YAK [20, 47, 239], YAK [239], ARC-FE [40, 212], N-FE [?140], ?S-FE [37, 212] — {53}
Cynodontium Bruch et al. [Rhabdoweisiaceae], see also *Cnestrum alpestre, C. glaucescens*
— ***asperifolium*** (Lindb. & Arnell) Paris – **RUS-EUR**: NW [207], NE [415], N-UR [207, 212], S-UR [150, 207, 212], **KAZ** [296, 356], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [74, 212, 388], ARC-YAK [239], YAK [239], N-FE [140], S-FE [76, 212]
— ***bruntonii*** (Sm.) Bruch et al. (*Oreoweisia bruntonii* (Sm.) Milde) – **RUS-EUR**: N-UR [150, 415], **UKR**: C [66], K [328], **KAZ** [296, 356]
— ***fallax*** Limpr. – **RUS-EUR**: ?ARC [47, 150], ?NE [415], ?N-UR [150], ?S-UR [150], CAUC [55, 212, 231, 248], ?**RUS-AS**: S-SIB [70], ARC-YAK [47] — {54}
— ***gracilescens*** (F.Weber & D.Mohr) Schimp. – **UKR**: C [66], **RUS-EUR**: NE [415], CAUC [102, 212, 231], **GEO** [117], **RUS-AS**: ARC-ESIB [212]
— ***polycarpon*** (Hedw.) Schimp. – **UKR**: C [66], M [66], **RUS-EUR**: NE [212, 416, 417], S-UR [150], CAUC [248], **GEO** [117], **AZE** [277], **RUS-AS**: S-SIB [70, 212], E-SIB [74, 212], ARC-YAK [47], ARC-FE [40], N-FE [40], S-FE [76, 212]

— ***strumiferum*** (Hedw.) Lindb. – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 212, 221]
— ***suecicum*** (Arnell & C.E.O.Jensen) I.Hagen – **RUS-EUR**: NW [364], N-UR [150, 415]
— ***tenellum*** (Schimp.) Limpr. – **LAT** [3], **RUS-EUR**: ARC [47, 127, 150, 415], NW [212, 273, 364, 407], NE [53, 207, 212, 415], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], **GEO** [117], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 212, 221]

Cyrtomnium Holmen [Mniaceae]
— ***hymenophylloides*** (Huebener) T.J.Kop. – **RUS-EUR**: ARC [47, 150, 415], NW [364, 407], NE [207, 212, 364, 415], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], **GEO** [13], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94], S-FE [212, 221]
— ***hymenophyllum*** (Bruch et al.) Holmen – **RUS-EUR**: ARC [47, 127, 150], NW [364], N-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [74, 212], ARC-YAK [47], YAK [?239], ARC-FE [40, 212], N-FE [140], S-FE [67]

Desmatodon see *Tortula spp., Hennediella heimii*

Dichelyma Myrin [Fontinalaceae]
— ***capillaceum*** (Dicks.) Myrin – **EST** [237], **RUS-EUR**: NW [137], **RUS-AS**: W-SIB [137], E-SIB [167], ARC-FE [43]
— ***falcatum*** (Hedw.) Myrin – **LTV** [244], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], **KAZ** [296], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 275], YAK [239], ARC-FE [40], N-FE [40, 140]

Dichodontium Schimp. [Rhabdoweisiaceae]
— ***flavescens*** (Dicks.) Lindb. (*D. pellucidum* var. *flavescens* (Dicks.) Moore) – **UKR**: C [66], **RUS-EUR**: NW [407] — {55}
— ***palustre*** (Dicks.) M.Stech (*Anisothecium palustre* (Dicks.) I.Hagen, *Dicranella palustris* (Dicks.) Crundw., *Diobelonella palustris* (Dicks.) Ochyra) – **UKR**: C [66], **RUS-EUR**: NW [100, 212, 273, 364], CAUC [55, 212, 231], **GEO** [117], **RUS-AS**: ARC-FE [40], N-FE [140], S-FE [77, 212] — {56}
— ***pellucidum*** (Hedw.) Schimp. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [87, 207, 364, 407], NE [207, 212, 415], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: ARC-ESIB [164], W-SIB [307], S-SIB [70, 212], E-SIB [126, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40, 140], S-FE [76, 77, 109, 212]

Dicranella (Müll.Hal.) Schimp. [Dicranaceae], see also *Dichodontium palustre*
— ***cerviculata*** (Hedw.) Schimp. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], SE [207], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [77, 109, 212]
— ***crispa*** (Hedw.) Schimp. (*Anisothecium vaginale* (Dicks. ex With.) Loeske) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: M [66], **RUS-EUR**: ARC [47, 127, 150, 415], NW [207, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150], SE [207], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 197], E-SIB [70, 163, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40, 140], S-FE [212, 221]
— ***curvipes*** (Lindb.) Ignatov, comb. nov. – *Dicranella heteromalla* var. *curvipes* Lindb., Contributio ad Floram Cryptogamam Asiae Boreali-Orientalis 243. 1872. – **RUS-AS**: S-FE [361] — {57}

— ***grevilleana*** (Brid.) Schimp. (*Anisothecium grevilleanum* (Brid.) Lindb.) – **RUS-EUR**: ARC [47, 150, 415], NW [364, 407], NE [207, 212, 415], C [207], N-UR [150, 207, 212], S-UR [150], **GEO** [117], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164], E-SIB [126, 212], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 95]
— ***heteromalla*** (Hedw.) Schimp. (*D. caucasica* (Müll.Hal.) Broth.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 157], **KYR** [296], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [74, 212, 247], YAK [239], N-FE [140], S-FE [76, 77, 109, 212]
— ***howei*** Renauld & Cardot – **TUR** [11, 296]
— ***humilis*** R.Ruthe (*Anisothecium humile* (R.Ruthe) Lindb., *A. rigidulum* (Hedw.) C.E.O.Jensen) – **EST** [397], **RUS-EUR**: NW [207, 407], NE [207, 212, 415], C [207, 212], N-UR [90, 207], S-UR [207], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [264], E-SIB [212, 275], YAK [239], S-FE [76, 77, 212]
— ***rufescens*** (Dicks.) Schimp. (*Anisothecium rufescens* (Dicks.) Lindb.) – **LTV** [244], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207, 291, 364], NE [207], KLN [309], C [207, 212], **GEO** [117], **RUS-AS**: ARC-WSIB [136], S-SIB [70, 212], S-FE [76, 77, 109]
— ***schreberiana*** (Hedw.) Hilf. ex H.A.Crum & L.E.Anderson (*Anisothecium schreberianum* (Hedw.) Dixon) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [87, 207, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 207], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 248], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164], W-SIB [265], S-SIB [69, 197, 212], E-SIB [212, 247], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [140], S-FE [76, 212, 221]
— ***staphylina*** H.Whitehouse (*Anisothecium staphylinum* (H.Whitehouse) Sipman, Rubers & Riemann) – **LTV** [244], **RUS-EUR**: KLN [309]
— ***subsecunda*** Besch. – **RUS-AS**: S-FE [361]
— ***subulata*** (Hedw.) Schimp. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **KAZ** [159, 157], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [140, 237], S-FE [77, 109, 212]
— ***varia*** (Hedw.) Schimp. (*Anisothecium varium* (Hedw.) Mitt.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207], S-UR [150, 207, 212], SE [207], CAUC [208, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157], **TUR** [11], **TAD** [294, 295], **KYR** [296], **UZB** [267], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164], W-SIB [265], S-SIB [69, 70, 212], ARC-YAK [47], YAK [239], N-FE [140], S-FE [76, 212, 221]

Dicranodontium Bruch et al. [Leucobryaceae]

— ***asperulum*** (Mitt.) Broth. – **BEL** [355], **UKR**: C [66], **RUS-AS**: S-FE [212, 221]
— ***denudatum*** (Brid.) E.Britton – **LTV** [244], **LAT** [3], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [212, 407], NE [207, 415], KLN [309], C [207], N-UR [150, 207, 212], S-UR [150, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [74, 212], YAK [239], ARC-FE [40], N-FE [140], S-FE [76, 77, 109, 212]

Dicranoloma (Renauld) Renauld [Dicranaceae]

— ***cylindrothecium*** (Mitt.) Sakurai – **RUS-AS**: S-FE [116]

Dicranoweisia Milde [Rhabdoweisiaceae], see also *Hymenoloma crispulum, H. intermedium*

— ***cirrata*** (Hedw.) Lindb. – **LAT** [4], **BEL** [355], **UKR**: C [66], M [66], K [328], **RUS-EUR**: KLN [309], CAUC [232], **GEO** [102, 117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 393] — {58}

Dicranum Hedw. [Dicranaceae]

— ***acutifolium*** (Lindb. & Arnell) C.E.O.Jensen – **RUS-EUR**: ARC [47, 127, 150, 415], NW [87, 212, 364, 407], NE [207, 415], N-UR [150, 415], S-UR [150, 207], **RUS-AS**: ARC-WSIB [136], ARC-

ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [74, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140], S-FE [212, 221]

— ***angustum*** Lindb. – **RUS-EUR**: ARC [47, 127, 150, 415], NW [212, 224, 364, 407], NE [212, 415], N-UR [150, 224, 415], **RUS-AS**: ARC-WSIB [136, 224], ARC-ESIB [212, 275], W-SIB [224], S-SIB [212, 224], E-SIB [212, 224, 275], ARC-YAK [47, 212], YAK [212, 224, 239], N-FE [94, 224], S-FE [212, 221]

— ***bonjeanii*** De Not. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [296, 356], **TAD** [295], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [?47], W-SIB [212, 265, 275], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [109, 212, 221]

— ***brevifolium*** (Lindb.) Lindb. (*D. muehlenbeckii* var. *brevifolium* Lindb.) – **EST** [237], **RUS-EUR**: ARC [47, 127, 150], NW [87, 212, 364, 407], NE [207, 212, 415], C [135, 207, 212], N-UR [150, 415], S-UR [150, 207, 212], CAUC [102, 212, 231], **ARM** [297], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [197, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40], N-FE [40, 140], S-FE [212, 221]

— ***dispersum*** Engelmark (*D. orientale* Otnyukova) – **RUS-EUR**: S-UR [207, 326], CAUC [212, 248, 326], **RUS-AS**: S-SIB [212, 326], S-FE [326] — {59)

— ***drummondii*** Müll.Hal. (*D. elatum* Lindb., *D. robustum* Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **RUS-EUR**: NW [212, 273, 364, 407], NE [207, 212, 415], N-UR [150, 207, 212], S-UR [207], **RUS-AS**: S-SIB [69, 70, 212], YAK [239], S-FE [109]

— ***elongatum*** Schleich. ex Schwägr. (?*D. tundrae* Lindb. & Arnell, ?*D. atratum* Geh.) – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 224, 364, 407], NE [207, 212, 224, 415], N-UR [150, 212, 224], S-UR [150], CAUC [212, 248], **GEO** [117], **KAZ** [296, 356], **KYR** [296], **RUS-AS**: ARC-WSIB [136, 224, 275], ARC-ESIB [164, 212, 224, 275], W-SIB [224], S-SIB [69, 70, 212, 224], E-SIB [69, 212, 224, 275], ARC-YAK [47, 212, 224, 239], YAK [212, 224, 239], ARC-FE [40, 212, 224], N-FE [94, 140, 224], S-FE [212, 221, 224] — {60}

— ***flagellare*** Hedw. (*Orthodicranum flagellare* (Hedw.) Loeske) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [207, 212, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207], S-UR [150, 207, 212], SE [207], CAUC [231], **GEO** [117], **RUS-AS**: W-SIB [212, 265, 275], S-SIB [69, 70, 212], E-SIB [69, 212, 275], YAK [239], N-FE [140], S-FE [76, 77, 109, 212]

— ***flexicaule*** Brid. (*D. congestum* Brid., *D. fuscescens* var. *congestum* (Brid.) Kindb., *D. fuscescens* var. *flexicaule* (Brid.) Wilson) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296], **KYR** [351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212]

— ***fragilifolium*** Lindb. – **RUS-EUR**: ARC [47, 150], NW [87, 212, 364, 407], NE [207, 212, 415], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [275], ARC-ESIB [275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [239], YAK [212, 239], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***fulvum*** Hook. – **UKR**: C [66], M [66], **RUS-EUR**: KLN [309], CAUC [248], **GEO** [31], **RUS-AS**: S-FE [212, 268]

— ***fuscescens*** Turner – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [47, 96, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [40, 140], S-FE [76, 77, 109, 212]

— ***groenlandicum*** Brid. – **UKR**: C [66], **RUS-EUR**: ARC [47, 150, 224, 415], NW [212, 224, 291, 364], N-UR [150], **RUS-AS**: ARC-WSIB [136, 224], ARC-ESIB [164, 212, 224], S-SIB [70, 212], E-SIB [126, 212], ARC-YAK [47, 212, 224, 239], YAK [212, 224, 239], ARC-FE [40, 224], N-FE [94, 140, 224], S-FE [109, 224]
— ***hamulosum*** Mitt. – ?**KAZ** [296, 356], **RUS-AS**: N-FE [140], S-FE [109] — {61}
— ***japonicum*** Mitt. – **RUS-AS**: N-FE [140], S-FE [109]
— ***laevidens*** R.S.Williams – **RUS-EUR**: ARC [224], NW [224], NE [224], **RUS-AS**: ARC-WSIB [224], ARC-ESIB [164, 224], E-SIB [163], ARC-YAK [224, 239], YAK [224, 239], ARC-FE [40, 224], N-FE [40, 140], S-FE [224]
— ***leioneuron*** Kindb. – **LTV** [244], **LAT** [3], **EST** [237], **RUS-EUR**: NW [364], NE [207, 415], C [207], **KAZ** [70], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [39], W-SIB [265], S-SIB [70], YAK [239], ARC-FE [40, 212], N-FE [40, 140], S-FE [76]
— ***majus*** Turner – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [14], **GEO** [117], **AZE** [277], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40, 140], S-FE [76, 77, 109, 212]
— ***mayrii*** Broth. (*Orthodicranum mayrii* (Broth.) Smirnova) – **RUS-AS**: S-FE [76, 212]
— ***montanum*** Hedw. (*Orthodicranum montanum* (Hedw.) Loeske) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 157],**KYR** [267, 296], **UZB** [267], **TAD** [267], **RUS-AS**: W-SIB [212, 265, 275], S-SIB [69, 70, 212], E-SIB [69, 212, 275], YAK [239], N-FE [94, 140], S-FE [76, 212, 221]
— ***muehlenbeckii*** Bruch et al. – **EST** [236], **UKR**: C [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [145, 207, 212], NE [207, 212, 415], N-UR [150, 207, 415], S-UR [150, 207, 212, 224], CAUC [55, 212, 224, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296], **KYR** [296], **RUS-AS**: ARC-ESIB [212], W-SIB [224, 265], S-SIB [69, 70, 212, 224], E-SIB [212, 247], ARC-YAK [47, 212, ?239], YAK [224, 239], ARC-FE [40], N-FE [94, 140], S-FE [212, 268] — {62}
— ***nipponense*** Besch. – **RUS-AS**: S-FE [114, 322]
— ***polysetum*** Sw. (*D. rugosum* Brid., *D. undulatum* Ehrh. ex F.Weber & D.Mohr, nom. illeg.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: ARC [150], NW [207, 212, 364, 407], NE [207, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [18, 55, 212], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [295], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265, 275], S-SIB [69, 70, 212], E-SIB [69, 212, 275], YAK [212, 239], N-FE [94, 140], S-FE [76, 109, 212]
— ***scoparium*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **KYR** [296, 350], **RUS-AS**: ARC-WSIB [?47], ARC-ESIB [?47, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ?ARC-YAK [?47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]
— ***spadiceum*** J.E.Zetterst. (*D. neglectum* Jur. ex De Not., ?*D. spadiceum* J.E.Zetterst. var. *subscabrifolium* Schljakov) – **RUS-EUR**: ARC [47, 127, 150, 224], NW [212, 224, 273, 364, 407], NE [207, 212, 224, 415], N-UR [150, 207, 212, 224], S-UR [150, 207, 212, 224], CAUC [55, 212, 224, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136, 224], ARC-ESIB [164, 212, 224], W-SIB [212, 224], S-SIB [69, 70, 212, 224, 265], E-SIB [69, 212, 224, 275], ARC-YAK [47, 212, 224], YAK [212, 224, 239], ARC-FE [40, 212, 224], N-FE [94, 140, 224], S-FE [212, 221, 224] — {63}
— ***spurium*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 415], KLN [309], C [207], **RUS-AS**: N-FE [?140] — {64}
— ***tauricum*** Sapjegin (*D. strictum* Schleich. ex D.Mohr, nom. illeg., *Orthodicranum tauricum* (Sapjegin)

Smirnova) – **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: KLN [309], C [207, 212, 345], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **RUS-AS**: N-FE [140] — {}

— ***undulatum*** Schrad. ex Brid. (*D. bergeri* Blandow, *D. affine* Funck) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], CAUC [212, 231, 248], **ARM** [297], **RUS-AS**: ARC-WSIB (?47), ARC-ESIB (?47, 275), W-SIB [212, 265, 275], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [109, 212, 221]

— ***viride*** (Sull. & Lesq.) Lindb. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [207], NE [207, 415], KLN [309], C [207, 212, 345], N-UR [207], S-UR [150, 207, 212], CAUC [55, 208, 212], **GEO** [117], **RUS-AS**: S-FE [76, 77, 109, 212] — {65}

Didymodon Hedw. [Pottiaceae]

— ***acutus*** (Brid.) K.Saito (*Barbula acuta* (Brid.) Brid.) – **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: KLN [309], C [?212, ?345], S-UR [150], CAUC [55, 212, 243], **GEO** [117, 243], **ARM** [297], **AZE** [243, 277], **KAZ** [243], **UZB** [243], **TAD** [243, 295], **KYR** [243], **RUS-AS**: ARC-FE [40] — {66}

— ***anserinocapitatus*** (X.J.Li) R.H.Zander – **KAZ** [243], **RUS-AS**: S-SIB [323, 327], YAK [239]

— ***asperifolius*** (Mitt.) H.A.Crum, Steere & L.E.Anderson (*Barbula asperifolia* Mitt.) – **RUS-EUR**: ARC [47, 150], CAUC [243], **KAZ** [157, 243, 296, 356], **RUS-AS**: ARC-ESIB [96, 212], S-SIB [70, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140]

— ***asperifolius*** var. ***gorodkovii*** (Abramova & I. I. Abramov) Afonina (*D. gorodkovii* (Abramova & I. I. Abramov) Schljakov) – **RUS-AS**: ARC-ESIB [164], E-SIB [163], ARC-YAK [239], ARC-FE [40] — {67}

— ***australasiae*** (Hook. & Grev.) R.H.Zander (*D. aaronis* (Lorentz) J.Guerra, *D. incrassatus* (Lindb.) Broth., *Trichostomopsis aaronis* (Lorentz) S.Agnew & C.C.Towns., *T. australasiae* (Hook. & Grev.) H.Rob.) – **GEO** [117], **KAZ** [243], **TUR** [8, 296, 368], **UZB** [243] — {68}

— ***cordatus*** Jur. (*Barbula cordata* (Jur.) Loeske) – **UKR**: K [66, 328], **MLD** [367], **RUS-EUR**: CAUC [102, 243, 248], **GEO** [117], **ARM** [297], **TAD** [295], **RUS-AS**: S-FE [76]

— ***fallax*** (Hedw.) R.H.Zander (*Barbula fallax* Hedw.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [149, 207, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 243], **GEO** [117, 243], **ARM** [297], **AZE** [277], **KAZ** [243, 296, 356], **TUR** [267, 295, 368], **UZB** [296], **TAD** [294, 295], **KYR** [296], **RUS-AS**: ARC-ESIB [164], W-SIB [265], S-SIB [69, 70, 212], E-SIB [163, 275], ARC-YAK [47, 239], YAK [239]

— ***ferrugineus*** (Schimp. ex Besch.) M.O.Hill (*Barbula reflexa* (Brid.) Brid.) – **LTV** [244], **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: NW [407], NE [207, 212, 415], C [207, 212], N-UR [90, 91, 207], S-UR [91, 150, 207], SE [?207], CAUC [212, 231, 243, 248], **GEO** [117, 243], **ARM** [297], **AZE** [277], **KAZ** [243], **TUR** [295], **TAD** [294, 295], **KYR** [267, 296], **RUS-AS**: ARC-ESIB [?47, 93], W-SIB [307], S-SIB [69, 70], E-SIB [163], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40], S-FE [76, 212, 221]

— ***gaochienii*** B.C.Tan & Y.Jia – **RUS-AS**: S-SIB [212, 323], N-FE [140]

— ***giganteus*** (Funck) Jur. (*Barbula gigantea* Funck, *Geheebia gigantea* (Funck) Boulay) – **RUS-AS**: ARC-YAK [47, 239]

— ***hedysariformis*** Otnyukova – **RUS-AS**: S-SIB [319], YAK [239]

— ***icmadophilus*** (Schimp. ex Müll.Hal.) R.H.Zander (*Barbula acuta* var. *icmadophila* (Schimp. ex Müll.Hal.) H.A.Crum) – **RUS-EUR**: NW [364, 407], CAUC [243], **GEO** [117, 243], **ARM** [243, 297], **KAZ** [296, 356], **UZB** [243], **TAD** [243, 295], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [126, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40, 140] — {66}

— ***insulanus*** (De Not.) M.O.Hill (*Barbula cylindrica* (Taylor) Schimp., *B. vinealis* var. *cylindrica* (Taylor) Boulay, *Didymodon vinealis* var. *flaccidus* (Bruch & Schimp.) R.H.Zander) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: CAUC [243], **GEO** [117, 243], **ARM** [243, 297], **AZE** [277], **KAZ** [157, 159],**TUR** [295, 296], **TAD** [294, 295], **KYR** [296],

RUS-AS: S-SIB [69, 70], S-FE [76]

— ***johansenii*** (R.S.Williams) H.A.Crum (*Barbula johansenii* R.S.Williams) – **TAD** [243, 295], **KYR** [296], **RUS-AS**: S-SIB [70, 212, 323], E-SIB [74, 212], ARC-YAK [47, ?239], YAK [239], ARC-FE [40, 212, 323]

— ***luridus*** Hornsch. (*Barbula lurida* Hornsch., *D. trifarius* auct. non (Hedw.) Röhl.) – **UKR**: C [66], M [66], K [66, 328], **GEO** [117, 243], **ARM** [297], **AZE** [277, 243], **TUR** [295, 296], **TAD** [295], **KYR** [296]

— ***maximus*** (Syed & Crundw.) M.O.Hill (*Barbula reflexa* var. *robusta* Braithw.) – **RUS-AS**: ARC-FE [40, 212]

— ***murrayae*** Otnyukova – **RUS-AS**: S-SIB [212, 323]

— ***perobtusus*** Broth. – **RUS-AS**: S-SIB [69, 70, 212], N-FE [140]

— ***rigidulus*** Hedw. (*Barbula rigidula* (Hedw.) Milde) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 243, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 243, 248], **GEO** [117, 243], **ARM** [243, 297], **AZE** [277], **KAZ** [156, 159, 243], **TUR** [11, 368], **UZB** [243], **TAD** [243, 294, 295], **KYR** [243, 296], **RUS-AS**: ARC-ESIB [164], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [141], S-FE [76, 212, 221]

— ***rigidulus*** var. ***glaucus*** (Ryan) Wijk & Margad. – **RUS-AS**: S-FE [76]

— ***rigidulus*** var. ***validus*** (Limpr.) Düll – **UKR**: C [66], **KYR** [243]

— ***sinuosus*** (Mitt.) Delogne (*Barbula sinuosa* (Mitt.) Grav.) – **UKR**: M [66], K [66, 328], **RUS-EUR**: CAUC [18], **GEO** [102, 117], **AZE** [243, 277]

— ***spadiceus*** (Mitt.) Limpr. (*Barbula spadicea* (Mitt.) Braithw.) – **LAT** [3], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: SE [366], CAUC [55, 212, 243], **GEO** [117, 243], **TAD** [295], **RUS-AS**: S-FE [340]

— ***subandreaeoides*** (Kindb.) R.H.Zander (*D. rigidulus* subsp. *andreaeoides* (Limpr.) Wijk & Margad.) – **RUS-AS**: ARC-FE [40]

— ***tophaceus*** (Brid.) Lisa (*Barbula tophacea* (Brid.) Mitt.) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 243, 328], **MLD** [367], **RUS-EUR**: NE [207, 415], C [207, 212, 345], S-UR [150, 207], SE [207], CAUC [232, 243], **GEO** [117, 243], **ARM** [243, 297], **AZE** [277], **TUR** [243, 267, 295, 296], **UZB** [347], **TAD** [243, 294, 295], **KYR** [296, 351], **RUS-AS**: W-SIB [307], S-SIB [212, 324]

— ***tophaceus*** var. ***excurrens*** (Broth.) Wijk & Margad. – **TUR** [296, 368]

— ***vinealis*** (Brid.) R.H.Zander (*Barbula vinealis* Brid.) – **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 243, 328], **RUS-EUR**: NE [415], S-UR [150], SE [207, 212, 243], CAUC [212, 248], **GEO** [117], **ARM** [297], **AZE** [243, 277], **KAZ** [157, 243], **TUR** [243, 267, 295, 296], **UZB** [243, 267], **TAD** [243, 295], **KYR** [243, 267, 296], **RUS-AS**: ARC-YAK [47], S-FE [268] — {69}

Diphyscium D.Mohr [Diphysciaceae]

— ***foliosum*** (Hedw.) D.Mohr – **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207, 364, 407], KLN [309], CAUC [55, 212, 231], **GEO** [117], **RUS-AS**: N-FE [140], S-FE [115]

Discelium Brid. [Disceliaceae]

— ***nudum*** (Dicks.) Brid. – **EST** [237], **RUS-EUR**: ARC [47, 150, 415], NW [207, 364, 262, 407], N-UR [150], **RUS-AS**: ARC-WSIB [136], W-SIB [265], E-SIB [275], S-FE [212, 221, 275]

Distichium Bruch et al. [Ditrichaceae]

— ***capillaceum*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [104, 295, 356], **TUR** [295], **UZB** [104], **TAD** [294, 295], **KYR** [295, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 114, 212]

— ***hagenii*** Ryan ex H.Philib. – **RUS-EUR**: ARC [47], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40]

— ***inclinatum*** (Hedw.) Bruch et al. – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 150],

NW [212, 364, 407], NE [118, 207], N-UR [150], S-UR [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [157, 296, 356], **UZB** [104], **TAD** [267, 294, 295], KYR [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [104, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [110, 140], S-FE [37, 212]

Ditrichum Timm ex Hampe [Ditrichaceae]

— ***cylindricum*** (Hedw.) Grout (*Trichodon cylindricus* (Hedw.) Schimp.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 288, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], CAUC [212, 231], **KAZ** [157], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265, 275], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40], N-FE [140], S-FE [76, 77, 109, 212]

— ***flexicaule*** (Schwägr.) Hampe – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 345], N-UR [150, 207, 212], S-UR [150, 207], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 104], **TAD** [295], **KYR** [104, 296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 212, 221]

— ***gracile*** (Mitt.) Kuntze (*D. crispatissimum* (Müll.Hal.) Paris, *D. flexicaule* var. *longifolium* (J.E.Zetterst.) I.Hagen, *D. flexicaule* var. *sterile* (De Not.) Limpr., *D. giganteum* R.S.Williams) – **RUS-EUR**: N-UR [91], S-UR [91], **RUS-AS**: ARC-WSIB [136], ARC-FE [40], N-FE [40] — {70}

— ***heteromallum*** (Hedw.) E.Britton (*D. homomallum* (Hedw.) Hampe) – **LTV** [244], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 415], S-UR [150, 207, 212], CAUC [55, 212], **AZE** [277], **RUS-AS**: W-SIB [212, 265], E-SIB [212, 247], S-SIB [69, 70], ARC-YAK [47], YAK [?239], N-FE [94, 140], S-FE [76, 77, 212, 221]

— ***lineare*** (Sw.) Lindb. – **EST** [237], **RUS-EUR**: NW [87, 364], NE [212, 417], N-UR [150], **RUS-AS**: YAK [?239], N-FE [140], S-FE [76, 212]

— ***macrorhynchum*** Broth. – **RUS-AS**: S-FE [116]

— ***pallidum*** (Hedw.) Hampe – **UKR**: C [66], M [66], **GEO** [18, 117], **AZE** [277], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69], S-FE [76]

— ***pusillum*** (Hedw.) Hampe (*D. tortile* (Schrad.) Brockm.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [127, 150], NW [207, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231], **GEO** [117], **RUS-AS**: W-SIB [104, 212, 265], S-SIB [197, 212], E-SIB [69, 212, 275], YAK [239], N-FE [140], S-FE [76, 77, 212]

— ***cf. rhynchostegium*** Kindb. – **RUS-AS**: S-FE [78, 221]

— ***subulatum*** Hampe – **UKR**: C [66], **GEO** [117]

— ***zonatum*** (Brid.) Kindb. (*D. heteromallum* var. *zonatum* (Brid.) Podp.) – **RUS-EUR**: NW [364]

Dolichomitriopsis S.Okamura [Lembophyllaceae]

— ***diversiforme*** (Mitt.) Nog. – **RUS-AS**: S-FE [77, 212, 268]

Dolichotheca see *Herzogiella*

Dozya Sande Lac. [Leucodontaceae]

— ***japonica*** Sande Lac. – **RUS-AS**: S-FE [76, 77, 203, 212]

Drepanium C.E.O.Jensen [*Amblystegiaceae] — {71}

— ***recurvatum*** (Lindb. & Arnell) G.Roth (*Hypnum recurvatum* (Lindb. & Arnell) Kindb.) – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [273, 364, 407], NE [207, 212, 415], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231], **GEO** [117], **AZE** [277], **KAZ** [296], **RUS-AS**: ARC-WSIB [136], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [38, 212], S-FE [212, 221]

Drepanocladus (Müll.Hal.) G.Roth [Amblystegiaceae], see also *Hamatocaulis vernicosus,* etc., *Loeskypnum badium, Pseudocalliergon lycopodioides, P. brevifolius,* etc., *Sanionia uncinata,* etc., *Scorpidium revolutum* etc., *Warnstorfia fluitans,* etc.

— ***aduncus*** (Hedw.) Warnst. (*D. simplicissimus* Warnst., *D. kneffii* (Bruch et al.)Warnst., *D. polycarpus*

(Blandow ex Voit.) Warnst. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 159, 296, 356], **TUR** [296], **TAD** [267, 294, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***arcticus*** (R.S.Williams) Hedenäs (*Campylium arcticum* (R.S.Williams) Broth., *C. zemliae* C.E.O.Jensen) – **RUS-EUR**: ARC [47, 150], N-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], E-SIB [163], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [40, 140]

— ***latinervis*** Warnst. – **RUS-AS**: ARC-ESIB [187b], ARC-FE [40]

— ***longifolius*** (Mitt.) Broth. ex Paris (*D. capillifolius* (Warnst.) Warnst.) – **LTV** [244], **LAT** [187a], **EST** [237], **RUS-EUR**: ARC [187a], NW [407], NE [415], KLN [309], S-UR [150, 207], **RUS-AS**: W-SIB [187a], S-SIB [187a], YAK [187a], N-FE [187a]

— ***polygamus*** (Bruch et al.) Hedenäs (*Campyliadelphus polygamus* (Bruch et al.) Kanda, *Campylium polygamum* (Bruch et al.) Lange & C.E.O.Jensen) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 248], **GEO** [117], **ARM** [297], **KAZ** [296, 356], **TAD** [26, 296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***sendtneri*** (Schimp. ex H.Müll.) Warnst. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 345], N-UR [150, 207], S-UR [150, 207], SE [207, 212], CAUC [55, 212], **GEO** [117], **ARM** [297], **KAZ** [23, 158], **TAD** [26, 296], **KYR** [294, 296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [96, 212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212]

— ***sordidus*** (Müll.Hal.) Hedenäs (*Drepanocladus tenuinervis* T.J.Kop.) – **LAT** [3], **EST** [237], **RUS-EUR**: NW [291, 283], NE [415], **RUS-AS**: ARC-ESIB [164], YAK [239]

Drummondia Hook. [Drummondiaceae]

— ***sinensis*** Müll.Hal. var. ***ussuriensis*** (Broth.) Vitt – **RUS-AS**: S-FE [76, 212, 221]

— ***turkestanica*** Broth. – **KAZ** [106, 296]

Dryptodon see *Grimmia ramondii* (=*Dryptodon patens*)

Echinophyllum O'Brian [Thuidiaceae]

— ***sachalinense*** (Lindb.) O'Brian (*Helodium sachalinense* (Lindb.) Broth.) – **RUS-AS**: N-FE [94, 140], S-FE [76, 77, 109, 212]

Encalypta Hedw. [Encalyptaceae]

— ***affinis*** R.Hedw. – **RUS-EUR**: ARC [47, 150], NW [193, 364, 407], NE [415], N-UR [150], **GEO** [117, 193], **AZE** [193, 277], **TAD** [295], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212, 275], W-SIB [193], E-SIB [193], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 193, 212], N-FE [40, 161]

— ***alpina*** Sm. – **RUS-EUR**: ARC [47], NW [364], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296], **TAD** [294, 295], **KYR** [193, 296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [69, 70, 193, 212], E-SIB [212, 386], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140]

— ***brevicolla*** (Bruch et al.) Ångstr. – **RUS-EUR**: ARC [47, 150], NW [193, 212, 364, 407], C [193], N-UR [90, 150, 415], **GEO** [117], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], W-SIB [193], S-SIB [193, 212], E-SIB [167, 193, 212], ARC-YAK [47, 193, 239], YAK [239], ARC-FE [40, 193], N-FE [40], S-FE [212, 221]

— ***brevipes*** Schljakov – **RUS-EUR**: NW [193, 364], **RUS-AS**: ARC-ESIB [164], S-SIB [193], E-SIB [126, 212], ARC-YAK [47, 193, 239], ARC-FE [40, 193, 212], N-FE [40]

— ***ciliata*** Hedw. – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [212, 364, 407], C [207], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC

[55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **KYR** [296, 349, 351], **RUS-AS**: W-SIB [307], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***intermedia*** Jur. – **TUR** [296], **KYR** [296]

— ***longicolla*** Bruch – **RUS-AS**: ARC-ESIB [164], E-SIB [163], ARC-YAK [47, 193], ARC-FE [40, 193]

— ***microstoma*** Bals.-Criv. & De Not. – **RUS-EUR**: CAUC [193, 231]

— ***mutica*** I.Hagen (*E. vulgaris* var. *mutica* Brid.) – **EST** [237], **RUS-EUR**: NW [364, 407], ARC [166], **RUS-AS**: ARC-WSIB [136], E-SIB [162], ARC-FE [40]

— ***procera*** Bruch – **RUS-EUR**: ARC [47, 150], NW [193, 364, 407], NE [415], N-UR [150, 207, 212], S-UR [207, 212], **AZE** [277], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [307], S-SIB [69, 70, 212], E-SIB [193, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 193, 212], N-FE [40, 94]

— ***rhaptocarpa*** Schwägr. – **EST** [237], **UKR**: C [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150, 415], NW [212, 364, 407], NE [207, 212, 415], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TUR** [296], **UZB** [267, 296], **TAD** [294, 295], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [307], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140] — {72}

— ***sibirica*** (Weinm.) Warnst. – **KAZ** [296, 59, 156, 157], **RUS-AS**: S-SIB [69, 193, 275]

— ***spathulata*** Müll.Hal. (*E. rhaptocarpa* var. *spathulata* (Müll.Hal.) Husn.) – **UKR**: M [66], K [66, 328], **RUS-EUR**: NW [407], NE [415], C [345], CAUC [55, 193, 212, 231], **ARM** [297], **AZE** [277], **KAZ** [156, 157],**TUR** [296], **TAD** [295], **KYR** [296] — {72}

— ***streptocarpa*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [415], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 415], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], ?**TAD** [295], ?**UZB** [267], ?**KYR** [296] — {73}

— ***trachymitria*** Ripart (*E. rhaptocarpa* var. *leptodon* (Bruch) Lindb.) – **RUS-EUR**: ARC [47], NW [407], CAUC [231], **GEO** [117], **ARM** [297], **KAZ** [156], **TUR** [267], **KYR** [349, 351], **RUS-AS**: ARC-ESIB [47], E-SIB [212, 386], ARC-YAK [239], ARC-FE [40, 212] — {72}

— ***vulgaris*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150, 415], NW [207, 407], NE [207, 212], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 157, 296], **TUR** [267, 296], **UZB** [267, 296], **TAD** [267, 294, 295], **KYR** [296, 349, 351], **RUS-AS**: W-SIB [265], S-SIB [70, 212], ARC-FE [40], N-FE [140] — {74}

Entodon Müll.Hal. [Entodontaceae]

— ***challengeri*** (Paris) Cardot (*E. compressus* Müll.Hal. ex Cardot, non (Hedw.) Müll.Hal.) – **RUS-EUR**: CAUC [248], **ARM** [297], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [275], S-FE [76, 212, 221]

— *cladorrhizans* (Hedw.) Müll.Hal. – excluded — {75}

— ***concinnus*** (De Not.) Paris – **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [44], N-UR [90, 207, 212], S-UR [91, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296], **KYR** [349, 351], **RUS-AS**: ARC-ESIB [92], S-SIB [69, 70, 212], E-SIB [69, 70, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140], S-FE [76, 114, 212, 221]

— ***diversinervis*** Cardot – **RUS-AS**: S-FE [76]

— ***flavescens*** (Hook.) A.Jaeger (*E. rubicundus* (Mitt.) A.Jaeger) – **RUS-AS**: N-FE [140], S-FE [76, 212]

— ***giraldii*** Müll.Hal. (*E. sinense* (Dixon) Laz.) – **RUS-AS**: S-FE [76] — {76}

— ***luridus*** (Griff.) A.Jaeger – **RUS-AS**: S-FE [76, 212]

— ***rufescens*** Laz. – **RUS-AS**: S-FE [268]

— ***scabridens*** Lindb. – **RUS-AS**: S-FE [76, 109, 212]

— ***schleicheri*** (Schimp.) Demet. – **RUS-EUR**: C [207, 212, 345], S-UR [150, 207, 212], CAUC [212, 231, 248], **ARM** [297], **AZE** [277], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 275], YAK [239], S-FE [76, 212, 221]

— ***sullivantii*** (Müll.Hal.) Lindb. – **RUS-AS**: S-FE [76]
— ***transbaicalensis*** Bard. – **RUS-AS**: S-SIB [69]

Entosthodon Schwägr. [Funariaceae]
— ***angustifolius*** Jur. & Milde (*E. subpallescens* Laz.) – **TUR** [10, 267, 296], **TAD** [296]
— *attenuatus* (Dicks.) Bryhn (*Funaria attenuata* (Dicks.) Lindb.) – excluded — {77}
— ***durieui*** Mont. (*E. pallescens* Jur.) – **TUR** [10, 296, 368]
— ***fascicularis*** (Hedw.) Müll.Hal. (*Funaria fascicularis* (Hedw.) Lindb.) – **LTV** [244], **LAT** [3], **BEL** [?355], **UKR**: C [66, 413], M [66], **RUS-EUR**: KLN [309], CAUC [250], **KAZ** [157], **TAD** [296] — {78}
— ***handelii*** (Schiffn.) Laz. – **TUR** [10, 267, 296, 368], **TAD** [294]
— ***hungaricus*** (Boros) Loeske (*Funaria hungarica* Boros, *Physcomitrium martjanovii* Broth. ex I.I.Abramov) – **UKR**: M [66], **MLD** [367], **RUS-EUR**: SE [207, 212, 377], **KAZ** [296, 356], **KYR** [296], **RUS-AS**: W-SIB [339], S-SIB [229]
— ***muhlenbergii*** (Turner) Fife (*Funaria calcarea* Wahlenb., *F. dentata* Crome, *F. hibernica* Hook., *F. mediterranea* Lindb., *F. muhlenbergii* Turner) – **UKR**: M [66], K [66, 328], **RUS-EUR**: C [212, 304], **GEO** [102, 117], **ARM** [297], **AZE** [277], **KAZ** [157, 296, 356], **TUR** [267, 296], **TAD** [294, 296], **KYR** [296, 351], **UZB** [267], **RUS-AS**: S-SIB [69, 212], S-FE [76, 212] — {79}
— ***pulchellus*** (H.Philib.) Brugués (*Funaria pulchella* H.Philib.) – **RUS-EUR**: N-UR [212], S-UR [177], SE [207, 212, 377], **KYR** [349], **RUS-AS**: YAK [239], S-FE [37, 212] — {79}

Ephemerum Hampe [Ephemeraceae]
— ***minutissimum*** Lindb. – **LAT** [2], **UKR**: M [66]
— ***recurvifolium*** (Dicks.) Boulay – **UKR**: M [66]
— ***serratum*** (Hedw.) Hampe – **LTV** [244], **EST** [237], **BEL** [355], **UKR**: M [66, 148], **MLD** [367], **RUS-EUR**: NW [207, 262], KLN [309], C [207, 212] — {80}
— ***sessile*** (Bruch) Müll.Hal. – **UKR**: M [66]

Epipterygium Lindb. [Mielichhoferiaceae]
— ***rigidum*** Lindb. ex Broth. – **GEO** [102, 117]
— ***tozeri*** (Grev.) Lindb. – **GEO** [117], **AZE** [277]

Eucladium Bruch et al. [Pottiaceae]
— ***verticillatum*** (With.) Bruch et al. – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: C [207], ?S-UR [150], SE [207], CAUC [55, 208, 212, 232, 248], **GEO** [117], **AZE** [277], **KAZ** [296], **TUR** [296], **UZB** [347], **TAD** [294, 295], **KYR** [267, 296], **RUS-AS**: S-FE [76, 212] — {81}

Eurhynchiadelphus Ignatov & Huttunen [Brachytheciaceae]
— ***eustegius*** (Besch.) Ignatov & Huttunen (*Eurhynchium eustegium* (Besch.) Dixon, *Brachythecium eustegium* Besch.) – **RUS-AS**: N-FE [140], S-FE [76, 77, 109, 212]

Eurhynchiastrum Ignatov & Huttunen [Brachytheciaceae]
— ***pulchellum*** (Hedw.) Ignatov & Huttunen (*Eurhynchium pulchellum* (Hedw.) Jenn., incl. var *praecox* (Hedw.) Dixon and var. *diversifolium* (Bruch et al.) C.E.O.Jensen) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], ARE [277], **KAZ** [156, 159, 296, 356], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 198, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212, 221]

Eurhynchium Bruch et al. [Brachytheciaceae], see also *Eurhynchiadelphus eustegius, Eurhynchiastrum pulchellum, Kindbergia praelonga, Oxyrrhynchium hians,* etc*., Plasteurhynchium striatulum, Scorpiurium circinatum*
— ***angustirete*** (Broth.) T.J.Kop. (*E. striatum* subsp. *zetterstedtii* (P.Størmer) Podp., *E. striatum* var. *pachycladum* G.Roth) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207, 407], KLN [309], C [207, 212], S-UR [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ*** (sub *striatum*) [296], **KYR*** (sub *striatum*) [296], **RUS-AS**: S-SIB [70, 198, 212]
— ***striatum*** (Hedw.) Schimp. – **LTV** [244], **LAT** [3], **EST** [397], **BEL** [355], **UKR**: C [66], M [66], K

[66, 328], **RUS-EUR**: KLN [?309], CAUC [208, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159] — {82}

Eurohypnum Ando [Hypnaceae]

— ***leptothallum*** (Müll.Hal.) Ando – **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69, 212], S-FE [76, 212, 221]

Fabronia Raddi [Fabroniaceae]

— ***ciliaris*** (Brid.) Brid. – **RUS-EUR**: S-UR [150, 207], CAUC [102, 248, 250], **GEO** [102, 117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 212], YAK [239], S-FE [76, 212, 221]

— *matsumurae* Besch. – excluded — {83}

— ***pusilla*** Raddi – **RUS-EUR**: SE [207], CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **TUR** [296], **TAD** [294, 296], **KYR** [296, 349, 351] — {84}

Fauriella Besch. [*Pylaisiadelphaceae]

— ***tenuis*** (Mitt.) Cardot – **RUS-AS**: S-FE [76, 77, 109, 212]

Fissidens Hedw. [Fissidentaceae]

— ***adianthoides*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: ARC-ESIB [93], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [140, 109]

— ***arcticus*** Bryhn – **RUS-AS**: ARC-WSIB [136, 134], ARC-ESIB [134], ARC-YAK [49] — {85)

— ***arnoldii*** R.Ruthe – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **TUR** [296]

— ***bryoides*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TUR** [296], **TAD** [294, 295], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [93, 163], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [40, 140], S-FE [76, 212, 221]

— ***bryoides*** var. ***gymnandrus*** (Büse) R.Ruthe (*F. gymnandrus* Büse) – **LAT** [1], **RUS-EUR**: NW [84, 407], C [207], S-UR [91], **TAD** [295] — {86}

— ***crassipes*** Wilson ex Bruch et al. (*F. mildeanus* Schimp.) – **LAT** [3], **UKR**: M [66], K [328], **RUS-EUR**: S-UR [150], **GEO** [117], **AZE** [277], **TUR** [296]

— ***crispus*** Mont. (*F. limbatus* Sull., *F. bambergeri* auct. non Milde) – **UKR**: K [328], **TUR** [296]

— ***curvatus*** Hornsch. (*F. strictulus* Müll.Hal.) – **RUS-AS**: S-FE [221]

— ***dubius*** P.Beauv. (*F. cristatus* Wilson ex Mitt., *F. decipiens* De Not.) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207], KLN [309], C [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: N-FE [140], S-FE [76, 77, 109, 212]

— ***exiguus*** Sull. – **UKR**: M [66], **RUS-EUR**: C [207, 212, 345], S-UR [88, 207], **TUR** [296], **TAD** [295]

— ***exilis*** Hedw. – **LTV** [244], **EST** [237], **BEL** [355], **UKR**: C [66], M [66]), **MLD** [367], **RUS-EUR**: NW [207], NE [207], KLN [309], C [207, 212, 345], S-UR [89, 207, 275], CAUC [248], **GEO** [117], **TAD** [294, 295], **RUS-AS**: S-SIB [427]

— ***fontanus*** (Bach.Pyl.) Steud. (*Octodiceras fontanum* (Bach.Pyl.) Lindb.) – **LAT** [3], **EST** [237], **UKR**: M [66, 402], **RUS-EUR**: NW [262]

— ***gracilifolius*** Brugg.-Nann. & Nyholm (*F. viridulus* var. *tenuifolius* (Boulay) A.J.E.Sm., *F. minutulus* auct. non Wils.) – **EST** [237], **MLD** [367], **UKR**: C [66], M [66]), **RUS-EUR**: NW [63], NE [415], C [207, 212, 345], S-UR [150, 207], SE [207], CAUC [55, 208, 212, 232, 248], **GEO** [13], **RUS-AS**: ?ARC-YAK [47], ?S-FE [76] — {87}

— ***grandifrons*** Brid. (*Pachyfissidens grandifrons* (Brid.) Limpr.) – **ARM** [297], **KAZ** [157, 296], **KYR** [267], **UZB** [296, 347], **TAD** [294, 295]

— ***gymnogynus*** Besch. – **RUS-AS**: S-FE [174, 178]

— ***incurvus*** Starke ex Röhl. (*F. viridulus* var. *incurvus* (Starke ex Röhl.) Waldh.) – **UKR**: M [66], **GEO** [117]

— ***karataviensis*** N.Samsel – **KAZ** [295], **UZB** [296], **KYR** [296] — {88}
— ***marginatulus*** Meln. – **UKR**: C [66], M [66], K [328], **RUS-EUR**: NE [415]
— ***nobilis*** Griff. (*F. japonicus* Dozy & Molk.) – **RUS-AS**: S-FE [77]
— ***osmundoides*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR** [392], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231], **AZE** [277], **KAZ** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40, 140], S-FE [221] — {89}
— ***persicus*** R.Ruthe – **TUR** [296, 368]
— ***pusillus*** (Wilson) Milde – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: NW [285], NE [415], KLN [309], ?C [212, 345], S-UR [150], CAUC [18], **GEO** [117], **ARM** [297] — {90}
— ***rivularis*** (Spruce) Bruch et al. – **UKR**: K [328], **RUS-EUR**: CAUC [55, 212], **GEO** [117]
— ***rufulus*** Bruch et al. – **UKR**: C [66], **RUS-EUR**: NE [415]
— ***taxifolius*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207], NE [207], KLN [309], C [207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: S-SIB [70, 212], S-FE [76, 77, 212]
— ***teysmannianus*** Dozy & Molk. (*F. adelphinus* Besch.) – **RUS-AS**: S-FE [77]
— ***viridulus*** (Sw.) Wahlenb. – **LTV** [244], **UKR**: C [66], M [66], **MLD** [367], **UKR**: C [66], M [66]), **RUS-EUR**: NW [212, 364, 407], NE [212, 415], S-UR [91], **GEO** [117], **AZE** [277], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [93, 164, 212], W-SIB [265], S-SIB [212, 336], E-SIB [163], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40, 140]

Fontinalis Hedw. [Fontinalaceae]
— ***antipyretica*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [296], **KYR** [296, 351], **RUS-AS**: ARC-ESIB [164], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 212]
— ***antipyretica*** var. ***gracilis*** (Lindb.) Schimp. – **LTV** [244], **LAT** [1], **EST** [237], **BEL** [355], **RUS-EUR**: NW [85, 212, 251, 364, 407], NE [414], KLN [309], C [207], N-UR [150], S-UR [150, 212], **RUS-AS**: ARC-ESIB [164], S-SIB [197], E-SIB [275], YAK [239], N-FE [140], S-FE [79, 212]
— ***dalecarlica*** Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **RUS-EUR**: ARC [150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [90, 150, 207, 212, 415], S-UR [150, 207, 212] — {91}
— ***hypnoides*** Hartm. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 415], S-UR [150, 207], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **RUS-AS**: ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], N-FE [140], S-FE [114]
— ***hypnoides*** var. ***duriaei*** (Schimp.) Kindb. – **RUS-EUR**: NE [414], N-UR [150], **KAZ** [23], **KYR** [267, 296]**, RUS-AS**: S-SIB [69]
— ***squamosa*** Hedw. – **LTV** [244], **EST** [237], **RUS-EUR**: NW [212, 364, 407], NE [414], N-UR [150, 415], S-UR [150], **RUS-AS**: S-SIB [197], E-SIB [212, 247]

Forsstroemia Lindb. [Neckeraceae]
— ***cryphaeoides*** Cardot – **RUS-AS**: S-FE [76, 203, 212]
— ***japonica*** (Besch.) Paris – **RUS-AS**: S-FE [76, 77, 109, 203, 212]
— ***noguchii*** L.R.Stark – **RUS-AS**: S-SIB [203, 374]
— ***stricta*** Laz. – **RUS-AS**: S-FE [203, 212, 268]
— ***trichomitria*** (Hedw.) Lindb. – **RUS-AS**: S-FE [76, 203, 212]

Funaria Hedw. [Funariaceae], see also *Entosthodon muhlenbergii, E. pulchellus*
— ***aequidens*** Lindb. ex Broth. – **RUS-EUR**: CAUC [25, 102], **GEO** [25, 117], **KAZ** [25, 157], **TAD** [25, 296]
— ***arctica*** (Berggr.) Kindb. – **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164], ARC-YAK [47, 212, 239], ?ARC-FE [35]

— ***hygrometrica*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TUR** [267, 296], **TAD** [294, 296], **KYR** [267, 296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]
— ***microstoma*** Bruch ex Schimp. – **UKR**: M [66], **RUS-EUR**: ?NE [415], **TAD** [294, 296], **KYR** [296] — {92}
— ***polaris*** Bryhn – **RUS-AS**: ARC-FE [40, 212]

Glyphomitrium Brid. [Ptychomitriaceae]
— ***humillimum*** (Mitt.) Cardot – **RUS-AS**: S-FE [76, 77, 114, 212]

Gollania Broth. [Pylaisiaceae]
— ***ruginosa*** (Mitt.) Broth. – **RUS-AS**: S-FE [76, 212, 221]
— ***turgens*** (Müll.Hal.) Ando – **RUS-AS**: S-SIB [69, 70, 212]

Grimmia Hedw. [Grimmiaceae], see also *Schistidium apocarpum, S. alpicola,* etc.
— ***alpestris*** (F.Weber & D.Mohr) Schleich. – **UKR**: C [66, 306], **RUS-EUR**: S-UR [150, 234], CAUC [55, 231, 234, 248], **GEO** [117, 306], **ARM** [297, 306], **AZE** [277], **KAZ** [159, 296, 306, 356], **UZB** [306], **TAD** [294, 296, 306], **KYR** [296], **RUS-AS**: S-SIB [234], N-FE [140, 234], S-FE [221]
— ***anodon*** Bruch et al. – **UKR**: M [66], K [66, 328], **RUS-EUR**: NW [234, 407], C [234], S-UR [234], SE [234], CAUC [55, 231, 234, 248], **GEO** [117, 306], **ARM** [297, 306], **AZE** [277], **KAZ** [159, 296, 306], **TUR** [267, 296], **TAD** [294, 296], **KYR** [267, 296, 306], **UZB** [267], **RUS-AS**: ARC-ESIB [164, 234], S-SIB [70, 234], E-SIB [234], ARC-YAK [234], YAK [234, 239], ARC-FE [40, 234]
— ***anomala*** Hampe ex Schimp. – **UKR**: C [66], **RUS-EUR**: NW [234, 87], S-UR [234], CAUC [55, 231, 234], **GEO** [117, 306], **RUS-AS**: S-SIB [234], N-FE [140]
— *atrata* Miel. ex Hornsch. (*Streptocolea atrata* (Miel. ex Hornsch.) Ochyra & Żarnowiec) – excluded [66]
— ***caespiticia*** (Brid.) Jur. – **RUS-EUR**: CAUC [55, 231, 234], **GEO** [117, 306], **ARM** [297, 306], **KYR** [296], **UZB** [267], **RUS-AS**: S-SIB [234]
— ***capillata*** De Not. (*G. mesopotamica* Schiffn.) – **TUR** [306], **TAD** [295, 296], **RUS-AS**: S-SIB [234] — {93}
— ***crinita*** Brid. – **EST** [237], **GEO** [117, 306], **ARM** [297], **AZE** [277, 306], **TUR** [296, 306], **KYR** [296]
— ***decipiens*** (Schultz) Lindb. – **UKR**: C [66], K [66, 328], **ARM** [297, 306]
— ***donniana*** Sm. – **UKR**: C [66, 306], **RUS-EUR**: NW [234, 273, 364, 407], N-UR [234, 415], CAUC [234, 248], **GEO** [117, 306], **ARM** [297], **AZE** [277], **TAD** [296], **KYR** [296, 351], **RUS-AS**: S-SIB [234], E-SIB [234], YAK [234, 239], ARC-FE [40, 234], N-FE [140, 234], S-FE [221]
— ***elatior*** Bruch ex Bals.-Criv. & De Not. – **UKR**: C [66], **RUS-EUR**: NW [234, 364, 407], NE [234], C [207], N-UR [90, 150, 234], S-UR [150, 234], CAUC [55, 231, 234], **GEO** [117, 248, 306], **ARM** [297, 306], **AZE** [277], **KAZ** [23, 159, 296, 306, 356], **TAD** [296], **KYR** [296, 351, 306], **RUS-AS**: ARC-ESIB [164, 234], S-SIB [69, 234], E-SIB [234], ARC-FE [40, 234], S-FE [221, 234]
— ***elongata*** Kaulf. – **UKR**: C [66], K [328], **RUS-EUR**: N-UR [234], **GEO** [117, 306], **ARM** [297], **KAZ** [159, 296, 356], **TAD** [296], **KYR** [296], **RUS-AS**: N-FE [141]
— ***exquisita*** J.Muñoz – **TUR** [305], **TAD** [305]
— ***funalis*** (Schwägr.) Bruch et al. – **UKR**: C [66, 306], **RUS-EUR**: NW [234, 364], N-UR [234], CAUC [55, 231, 234, 248], **GEO** [117, 306], **ARM** [297, 306], **AZE** [277, 306], **KAZ** [296, 356], **TUR** [296], **TAD** [296], **RUS-AS**: ARC-ESIB [164, 234], S-SIB [234], E-SIB [234], YAK [234, 239], ARC-FE [40, 234], S-FE [221, 234]
— ***fuscolutea*** Hook. (*G. apiculata* Hornsch.) – **UKR**: C [66], **RUS-EUR**: CAUC [231, 234], **RUS-AS**: S-SIB [234, 306], N-FE [141]
— ***hartmanii*** Schimp. (*G. brotheri* Lindb. ex Broth.) – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [328], **RUS-EUR**: NW [234, 407], S-UR [234], KLN [309], CAUC [55, 231, 234, 248], **GEO** [117, 306], **ARM** [297, 306], **RUS-AS**: N-FE [140, 234], S-FE [77, 109, 234]
— ***incurva*** Schwägr. – **UKR**: C [66, 306], **RUS-EUR**: NW [234, 273, 364, 407], NE [234], N-UR [150,

234], S-UR [150, 234], CAUC [55, 231, 234, 248], **GEO** [117, 306], **ARM** [297], **RUS-AS**: ARC-ESIB [164, 234], S-SIB [70, 234], YAK [234, 239], ARC-FE [40, 234], N-FE [94, 140, 234], S-FE [221, 234]

— ***jacutica*** Ignatova, Bednarek-Ochyra, Afonina & J.Muñoz – **RUS-AS**: ARC-ESIB [164, 225, 234], S-SIB [225, 234], E-SIB [225, 234], ARK-YAK [239], YAK [225, 234, 239], ARC-FE [225, 234], S-FE [225, 234]

— ***laevigata*** (Brid.) Brid. – **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [234], C [234, 345], S-UR [150, 234], SE [234], CAUC [231, 232, 234, 248], **GEO** [117, 306], **ARM** [297, 306], **AZE** [277], **KAZ** [267, 296, 306, 356], **TUR** [296], **UZB** [267, 306], **TAD** [294, 296, 306], **KYR** [296, 306, 351], **RUS-AS**: S-SIB [69, 70, 234]

— ***longirostris*** Hook. (*G. affinis* Hornsch., *G. cavifolia* Lindb. & Arnell) – **UKR**: C [66], M [66], **RUS-EUR**: ARC [127, 150], NW [87, 234, 364, 407], NE [234], N-UR [90, 150, 234], S-UR [150, 234], CAUC [55, 231, 234, 248], **GEO** [117, 306], **KAZ** [306], **TUR** [306], **KYR** [351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164], W-SIB [234], S-SIB [69, 70, 234], E-SIB [69, 234], ARC-YAK [239], YAK [234, 239], ARC-FE [40, 234], N-FE [94, 140, 234], S-FE [221, 234]

— ***mollis*** Bruch et al. (*Hydrogrimmia mollis* (Bruch et al.) Loeske) – **RUS-EUR**: NW [87, 234, 364], N-UR [150, 234], CAUC [231, 234], **GEO** [117], **RUS-AS**: S-SIB [197, 234], YAK [234, 239], ARC-FE [40, 234], N-FE [94, 140, 234], S-FE [221, 234]

— ***montana*** Bruch et al. – **UKR**: C [66], **RUS-EUR**: NW [234, 364, 407], CAUC [231, 234], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [296], **KYR** [296, 351] — {94}

— ***muehlenbeckii*** Schimp. – **LAT** [306], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [150], NW [234, 364, 407], NE [234, 288], KLN [309], C [234, 345], N-UR [150, 234], S-UR [150, 234], CAUC [231, 234, 248], **GEO** [306], **AZE** [277], **RUS-AS**: W-SIB [234], S-SIB [69, 234], E-SIB [234, 275], YAK [234, 239], S-FE [234] — {95}

— ***orbicularis*** Bruch ex Wilson – **UKR**: M [66], K [66, 328], **RUS-EUR**: CAUC [234], **GEO** [117, 306], **ARM** [297, 306], **AZE** [306], **KAZ** [296], **TUR** [267, 296, 306], **UZB** [296, 306], **TAD** [296], **KYR** [296]

— ***ovalis*** (Hedw.) Lindb. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [234, 407], C [234], S-UR [150, 234], SE [234], CAUC [231, 234, 248], **GEO** [306], **ARM** [297, 306], **AZE** [277], **KAZ** [23, 296, 306, 356], **TUR** [296], **UZB** [267, 306], **TAD** [294, 296, 306], **KYR** [296, 306, 351], **RUS-AS**: S-SIB [70, 234], N-FE [140], S-FE [221, 234] — {96}

— ***pilifera*** P.Beauv. – **RUS-AS**: S-SIB [234], ARC-FE [40, 234], S-FE [221, 234]

— ***plagiopodia*** Hedw. – **UKR**: M [66, 306], **RUS-EUR**: C [423], S-UR [150, 234], SE [234], CAUC [250], **GEO** [117, 306], **ARM** [297, 306], **AZE** [277], **TAD** [294, 296], **KYR** [296, 349], **RUS-AS**: S-SIB [70, 234]

— ***poecilostoma*** Cardot & Sebille (*G. tergestina* var. *poecilostoma* (Cardot & Sebille) Loeske) – **UKR**: K [66, 306, 328], **RUS-EUR** S-UR [52], (CAUC [234, 248], **GEO** [306], **ARM** [297, 306], **AZE** [306], **KAZ** [306], **TUR** [306], **TAD** [296], **KYR** [267, 296, 306], **UZB** [267], **RUS-AS**: S-SIB [234], YAK [234, 239]

— ***pulvinata*** (Hedw.) Sm. (*G. pulvinata* var. *africana* (Hedw.) Hook.f. & Wilson) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [234, 407], KLN [309], C [234], SE [234], CAUC [55, 208, 231, 232, 234, 248], **GEO** [117, 306], **ARM** [297, 306], **AZE** [277], **KAZ** [159, 296, 356], **TUR** [296, 306], **UZB** [267, 296, 306], **TAD** [294, 296, 306], **KYR** [296, 351]

— ***ramondii*** (Lam. & DC.) Margad. (*Racomitrium patens* (Hedw.) Huebener, *Dryptodon patens* (Hedw.) Brid., *G. curvata* (Brid.) De Sloover) – **LAT** [3], **UKR**: C [66], **RUS-EUR**: NW [234, 407], C [234], **GEO** [117], **ARM** [297], **AZE** [277]

— ***reflexidens*** Müll.Hal. (*G. sessitana* De Not., *G. subsulcata* Limpr., *G. laevidens* Broth.) – **RUS-EUR**: NW [234], N-UR [150, 234, 415], CAUC [208, 231, 234, 248], **GEO** [117, 306], **KAZ** [306], **KYR** [296], **UZB** [267], **RUS-AS**: S-SIB [234], E-SIB [163, 234], YAK [234, 239], ARC-FE [40, 234], N-FE [140, 234], S-FE [234] — {97}

— ***teretinervis*** Limpr. – **RUS-EUR**: N-UR [234], S-UR [234], CAUC [234], **RUS-AS**: E-SIB [234], ARC-YAK [234, 239], YAK [234, 239]

— ***tergestina*** Tomm. ex Bruch et al. (*G. tergestinoides* Culm., *G. crassifolia* Lindb. ex Broth.) – **UKR**: M [66], K [328], **RUS-EUR**: N-UR [?234], S-UR [?234], CAUC [231, 232, 234, 248], **GEO** [117, 306], **ARM** [297, 306], **KAZ** [296, 356], **TUR** [267, 296, 306], **UZB** [385], **TAD** [294, 296], **KYR** [296], **RUS-AS**: S-SIB [234], YAK [234, 239], S-FE [234] — {98}
— ***torquata*** Drumm. – **RUS-EUR**: ARC [150], NW [234, 273, 364, 407], N-UR [234], CAUC [231, 234], **RUS-AS**: YAK [234, 239], ARC-ESIB [50], ARC-FE [40, 234], N-FE [141, 234], S-FE [234]
— ***trichophylla*** Grev. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: KLN [309], **GEO** [117], **ARM** [297] — {99}
— ***triformis*** Carestia & De Not. – **RUS-AS**: S-SIB [234, 306], N-FE [141]
— ***unicolor*** Hook. – **RUS-EUR**: NW [234, 407], CAUC [231, 234], **GEO** [117], **AZE** [277], **KAZ** [159, 296, 306, 356], **TUR** [296], **TAD** [296], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 234], S-FE [221, 234] — {100}

Gymnostomum Nees & Hornsch. [Pottiaceae], see also *Hymenostylium recurvirostrum*
— ***aeruginosum*** Sm. – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [328], **RUS-EUR**: NW [212, 364, 407], NE [207, 212, 415], C [207, 345], N-UR [90, 150, 207, 415], S-UR [150, 207, 212], SE [366], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 157], **UZB** [347], **TAD** [294, 295], **KYR** [296, 351], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [162, 212, 386], ARC-YAK [47, 239], YAK [239], ARC-FE [40], S-FE [76, 77, 212] — {101}
— ***boreale*** Nyholm & Hedenäs – **RUS-EUR**: NW [291, 314], **RUS-AS**: E-SIB [163] — {102}
— ***calcareum*** Nees & Hornsch. – **LAT** [3], **EST** [237], **UKR**: M [66], K [66, 328], **RUS-EUR**: NW [407], CAUC [208, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], **UZB** [347], **TAD** [294, 295], **KYR** [296, 349], **RUS-AS**: S-SIB [197, 212], ARC-YAK [239], YAK [239] — {101}
— ***calcareum*** var. ***viridulum*** Brid. – **RUS-EUR**: CAUC [102], **GEO** [102], **TUR** [296, 368]

Gyroweisia Schimp. [Pottiaceae]
— ***tenuis*** (Hedw.) Schimp. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [328], **RUS-EUR**: NW [207], C [207, 212, 345], S-UR [89, 207], SE [207], CAUC [250], **RUS-AS**: S-SIB [69, 71]

Habrodon Schimp. [Habrodontaceae], see also *Iwatsukiella leucotricha*
— ***perpusillus*** (De Not.) Lindb. – **RUS-EUR**: CAUC [228, 232]

Hamatocaulis Hedenäs [Scorpidiaceae]
— ***lapponicus*** (Norrl.) Hedenäs (*Drepanocladus lapponicus* (Norrl.) Smirnova) – **LAT** [3], **RUS-EUR**: ARC [47, 150], NW [86, 212, 407], NE [415], C [430], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [265], E-SIB [126, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [40, 94]
— ***vernicosus*** (Mitt.) Hedenäs (*Drepanocladus vernicosus* (Mitt.) Warnst.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212, 345], N-UR [150, 207], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [158, 296, 3568], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40], N-FE [40], S-FE [76]

Haplocladium (Müll.Hal.) Müll.Hal. [Thuidiaceae]
— ***angustifolium*** (Hampe & Müll.Hal.) Broth. (*Bryohaplocladium angustifolium* (Hampe & Müll.Hal.) R.Watan. & Z.Iwats.) – **RUS-EUR**: ?C: [212, 304], **RUS-AS**: S-SIB [197, 212], E-SIB [126, 212], S-FE [76, 212, 221] — {103}
— ***microphyllum*** (Hedw.) Broth. (*Bryohaplocladium microphyllum* (Hedw.) R.Watan. & Z.Iwats.) – **BEL** [355], **UKR**: M [66], **RUS-EUR**: C [207, 212, 345], S-UR [91, 150, 207, 212], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], S-FE [76, 77, 109, 212]
— ***strictulum*** (Cardot) Reimers – **RUS-AS**: S-FE [76, 212]
— ***virginianum*** (Brid.) Broth. (*Bryohaplocladium virginianum* (Brid.) R.Watan. & Z.Iwats.) – **GEO** [102, 117], **ARM** [297]

Haplohymenium Dozy & Molk. [Anomodontaceae]
— ***flagelliforme*** L.I.Savicz – **RUS-AS**: S-FE [76, 212]
— ***longinerve*** (Broth.) Broth. – **RUS-AS**: S-SIB [69, 72], S-FE [75, 79, 212]
— ***triste*** (Ces.) Kindb. (*Anomodon tristis* (Ces.) Sull. & Lesq. – **GEO** [28], **RUS-AS**: S-SIB [69, 70], YAK [239], S-FE [76, 212, 221]

Hedwigia P.Beauv. [Hedwigiaceae]
— ***ciliata*** (Hedw.) P.Beauv. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 364, 407], NE [53, 207, 415], KLN [309], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [296], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69, 162, 212], YAK [212, 239], ARC-FE [40], N-FE [40, 161], S-FE [76, 109, 212]
— ***stellata*** Hedenäs – **RUS-AS**: S-FE [221]
Helodium Warnst. [Thuidiaceae], see also *Echinophyllum sachalinense*
— ***blandowii*** (F.Weber & D.Mohr) Warnst. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [248], **TAD** [26, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [109, 212]
— ***paludosum*** (Austin) Broth. – **RUS-AS**: S-SIB [69, 212], E-SIB [212, 247], S-FE [76, 77, 212]
Hennediella Paris [Pottiaceae]
— ***heimii*** (Hedw.) R.H.Zander (*Desmatodon heimii* (Hedw.) Mitt., *Pottia heimii* (Hedw.) Hampe) – **LAT** [3], **EST** [237], **UKR**: M [66], **RUS-EUR**: ARC [47], NW [364], C [207, 345], **AZE** [277], **KAZ** [157, 296], **TAD** [295], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212, 275], S-SIB [70, 197], ARC-YAK [47, 212, 239], ARC-FE [40, 212]
— ***heimii*** var. ***arctica*** (Lindb.) R.H.Zander – **RUS-EUR**: ARC [47, 150], **TAD** [295], **RUS-AS**: ARC-ESIB [164], E-SIB [163], ARC-YAK [47, 239], ARC-FE [40, 212], N-FE [140]
Herpetineuron (Müll.Hal.) Cardot [Anomodontaceae]
— ***toccoae*** (Sull. & Lesq.) Cardot – **RUS-AS**: S-SIB [69], S-FE [76, 212]
Herzogiella Broth. [Plagiotheciaceae]
— ***adscendens*** (Lindb.) Z.Iwats. & W.B.Schofield – **RUS-AS**: ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212, 274]
— ***seligeri*** (Brid.) Z.Iwats. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 407], NE [207, 212], KLN [309], C [207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** (156, 159), **TAD** [296], **KYR** [296]
— ***striatella*** (Brid.) Z.Iwats. – **LAT** [4], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [364, 407], N-UR [?47], **RUS-AS**: S-SIB [336], S-FE [76, 212]
— ***turfacea*** (Lindb.) Z.Iwats. – **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 415], S-UR [150, 212], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 275], ?ARC-YAK [47], YAK [239], S-FE [76, 77, 109, 212] — {104}
Heterocladium Bruch et al. [Heterocladiaceae], see also *Pseudoleskeella papillosa*
— ***dimorphum*** (Brid.) Bruch et al. – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [212, 273, 364, 407], NE [207, 288, 416], N-UR [150, 207], S-UR [150], CAUC [55, 212, 231], **GEO** [117], **AZE** [277], **RUS-AS**: W-SIB [265], S-SIB [69, 212], N-FE [140], S-FE [110]
— ***heteropterum*** (Brid.) Bruch et al. – **UKR**: C [66], **RUS-EUR**: CAUC [55, 212, 231], **GEO** [117], **AZE** [277]
— ***procurrens*** (Mitt.) A.Jaeger – **RUS-AS**: ARC-FE [40]
Heterophyllium (Schimp.) Kindb. [Pylaisiadelphaceae], see also *Callicladium haldanianum*
— ***affine*** (Hook.) M.Fleisch. – **UKR**: C [66], **RUS-EUR**: CAUC [208, 212], **GEO** [102], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 247], S-FE [76, 212, 221]
Hilpertia R.H.Zander [Pottiaceae]
— ***velenovskyi*** (Schiffn.) R.H.Zander – **RUS-EUR**: CAUC [384, 250], **RUS-AS**: E-SIB [7]
Homalia Brid. [Neckeraceae], see also *Neckera besseri*
— ***trichomanoides*** (Hedw.) Bruch et al. (*Homalia japonica* Besch.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207],

CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], YAK [239], S-FE [76, 77, 212] — {105}

— ***webbiana*** (Mont.) Schimp. (*H. woronowii* Thér.) – **GEO** [382, 181] — {106}

Homaliadelphus Dixon & P.de la Varde [*Neckeraceae]

— ***targionianus*** (Mitt.) Dixon & P.de la Varde var. ***laevidentatus*** (S.Okamura) Nog. (*Homaliadelphus laevidentatus* (S.Okamura) Z.Iwats.) – **RUS-AS**: S-FE [76]

Homalothecium Bruch et al. [Brachytheciaceae], see also *Tomentypnum nitens*

— ***aureum*** (Spruce) H. Rob. – **UKR**: K [328], **KAZ** [296], **TUR** [9, 296]

— ***laevisetum*** Sande Lac. – **RUS-AS**: S-FE [76, 77, 109, 212]

— ***lutescens*** (Hedw.) H.Rob. (*Camptothecium lutescens* (Hedw.) Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 291], KLN [309], C [207, 212, 345], S-UR [207], CAUC [55, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159], **TUR** [296, 9], **KYR** [296]

— ***philippeanum*** (Spruce) Bruch et al. (*H. aristatum* Laz.) – **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: KLN [309], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 393], **TUR** [296], **UZB** [267], **TAD** [293, 296], **KYR** [296, 349, 351], **RUS-AS**: S-SIB [198]

— ***sericeum*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 212, 364, 407], NE [53], KLN [309], C [207, 212, 345], N-UR [150, 207, 415], S-UR [150, 207], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **TUR** [296], **TAD** [296], **KYR** [296, 351]

Homomallium (Schimp.) Loeske [Pylaisiaceae]

— ***connexum*** (Cardot) Broth. – **RUS-AS**: S-SIB [200, 212], S-FE [76, 212, 221]

— ***incurvatum*** (Schrad. ex Brid.) Loeske – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 407], C [207, 212, 345], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [167, 212, 247], S-FE [76, 212]

— ***japonico-adnatum*** (Broth.) Broth. – **RUS-AS**: S-FE [178]

— ***plagiangium*** (Müll.Hal.) Broth. – **RUS-AS**: S-FE [212, 268]

Hondaella Dixon & Sakurai [*Hypnaceae]

— ***caperata*** (Mitt.) Ando, B.C.Tan & Z.Iwats. (*H. brachytheciella* (Broth. & Paris) Ando) – **RUS-AS**: S-FE [76, 212]

Hookeria Sm. [Hookeriaceae]

— ***acutifolia*** Hook. & Grev. – **GEO** [22, 117]

— ***lucens*** (Hedw.) Sm. – **UKR**: C [66, 413], **RUS-EUR**: CAUC [55], **GEO** [117], **AZE** [277]

Hydrogonium (Müll.Hal.) A.Jaeger [Pottiaceae]

— ***arcuatum*** (Griff.) Wijk & Margad. – **TUR** [8, 296, 368]

— ***ehrenbergii*** (Lorenz) A.Jaeger – **KAZ** [296, 356], **TUR** [16, 295, 296], **UZB** [16], **TAD** [295], **KYR** [296]

— ***mamatkulovii*** Laz. – **TAD** [295]

Hydrogrimmia see *Grimmia mollis*

Hygroamblystegium Loeske [Amblystegiaceae]

— ***fluviatile*** (Hedw.) Loeske (*Amblystegium fluviatile* (Hedw.) Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [207, 212, 407], KLN [309], C [207], S-UR [150], **KAZ** [157, 296]

— ***humile*** (P.Beauv.) Vanderp., Goffinet & Hedenäs (*Amblystegium humile* (P.Beauv.) Crundw., *Leptodictyum humile* (P.Beauv.) Ochyra, *L. kochii* (Bruch et al.) Warnst.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 407], NE [207, 212, 415], KLN [309], C [207, 212, 345], N-UR [150, 207], S-UR [150, 207, 212], SE [207], CAUC [231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **TAD** [294, 296], **KYR** [296], **RUS-AS**: ARC-ESIB [?47], W-SIB [265], S-SIB [69, 70, 212], E-SIB [126, 212], ARC-YAK [47, 239], YAK [239], N-FE [94, 140], S-FE [76, 109, 212]

— ***tenax*** (Hedw.) Jenn. (*Amblystegium tenax* (Hedw.) C.E.O.Jensen) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NE [90, 212, 416], KLN [309], C [207, 212, 345], S-UR [150, 207, 212], CAUC [55, 212], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 160, 296], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], YAK [239], S-FE [76, 77, 212]

— ***varium*** (Hedw.) Mönk. (*Amblystegium varium* (Hedw.) Lindb., *Orthotheciella varia* (Hedw.) Ochyra) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 407], NE [207, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], SE [207, 212], CAUC [208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [160, 296, 356], **TAD** [294, 296], **KYR** [296], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [239], YAK [239], ARC-FE [38, 40, 212], N-FE [94, 95], S-FE [76]

Hygrohypnella Ignatov & Ignatova [Scorpidiaceae], see also *Ochyraea duriuscula*

— ***bestii*** (Renauld & Bryhn) Ignatov & Ignatova, comb. nov. – *Limnobium molle* subsp. *bestii* Renauld & Bryhn, Bull. Acad. Int. Géogr. Bot. 10: 7. 1901. (*Hygrohypnum bestii* (Renauld & Bryhn) Broth.) – **RUS-AS**: N-FE [138, 140], S-FE [67]

— ***ochracea*** (Turner ex Wilson) Ignatov & Ignatova (*Hygrohypnum ochraceum* (Turner ex Wilson) Loeske) – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [138, 273, 364, 407], NE [138, 415], C [138], N-UR [138, 150], S-UR [138, 150], CAUC [55, 138, 231], **GEO** [117], **KAZ** [296, 356], **TAD** [294, 296], **RUS-AS**: ARC-WSIB [136, 138, 275], W-SIB [138, 265], S-SIB [69, 70, 138], E-SIB [138, 275], ARC-YAK [47, 138, 239], YAK [138, 239], ARC-FE [40, 138], N-FE [138, 140], S-FE [76, 77, 109, 138]

— ***polare*** (Lindb.) Ignatov & Ignatova (*Hygrohypnum polare* (Lindb.) Loeske, *H. polare* var. *falcatum* Broth., *H. ehlei* (Arnell) Broth.) – **RUS-EUR**: ARC [47, 138, 150], NW [138, 364], N-UR [150, 415], **KAZ** [159, 296, 356], **TAD** [294, 296], **KYR** [296], **RUS-AS**: ARC-ESIB [138, 164, 275], W-SIB [138], S-SIB [69, 70, 138], E-SIB [69, 138, 275], ARC-YAK [47, 138, 239], YAK [138, 239], ARC-FE [40, 138], N-FE [94, 138, 141], S-FE [138, 221]

Hygrohypnum Lindb. [Amblystegiaceae], see also *Hygrohypnella, Ochyraea, Pseudohygrohypnum*

— ***luridum*** (Hedw.) Jenn. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 138, 150], NW [138, 364, 407], NE [138, 415], KLN [309], C [138, 207, 345], N-UR [138, 150], S-UR [138, 150], CAUC [55, 138, 208, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **UZB** [347], **TAD** [296], **KYR** [296, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 275], W-SIB [265], S-SIB [69, 70, 138], E-SIB [138, 275], ARC-YAK [47, 138, 239], YAK [138, 239], ARC-FE [40, 138], N-FE [138, 140], S-FE [138]

Hylocomiastrum Broth. [Hylocomiaceae]

— ***pyrenaicum*** (Spruce) M.Fleisch. (*Hylocomium pyrenaicum* (Spruce) Lindb.) – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], NE [207, 212, 415], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [296], **RUS-AS**: ARC-WSIB [136], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***umbratum*** (Hedw.) M.Fleisch. (*Hylocomium umbratum* (Hedw.) Bruch et al.) – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: NW [207, 273, 364, 407], NE [207, 212], C [207, 212], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [55, 212, 231], **GEO** [117], **AZE** [277], **KAZ** [356], **RUS-AS**: S-SIB [70, 212], S-FE [109]

Hylocomiopsis Cardot [Hylocomiaceae]

— ***ovicarpa*** (Besch.) Cardot – **RUS-AS**: S-FE [76, 109]

Hylocomium Bruch et al. [Hylocomiaceae], see also *Hylocomiastrum, Loeskeobryum brevirostre, in older publications Rhytidiadelphus, Pleurozium*

— ***splendens*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69,

212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***splendens*** var. ***obtusifolium*** (Geh.) Paris – **RUS-EUR**: ARC [47, 150], N-UR [414], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 197, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [38, 212], N-FE [140]

Hymenoloma Ochyra [Rhabdoweisiaceae]

— ***crispulum*** (Hedw.) Ochyra (*Dicranoweisia crispula* (Hedw.) Milde) – **UKR**: C [66], M [66]), **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], N-UR [150, 207, 212, 415], S-UR [150, 212], CAUC [55, 102, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [295], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221] — {107}

— ***intermedium*** (J.J.Amann) Ochyra (*Dicranoweisia intermedia* J.J.Amann) – **ARM** [27, 297], **KAZ** [27, 296, 356], **TAD** [294, 295], **KYR** [27, 296, 351], **RUS-AS**: ARC-ESIB [164], S-SIB [197, 212], ARC-FE [40, 212], N-FE [40, 140]

Hymenostomum see *Weissia*

Hymenostylium Brid. [Pottiaceae]

— ***recurvirostrum*** (Hedw.) Dixon – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [207, 364, 407], NE [207, 212, 415], C [381], N-UR [150, 212, 415], S-UR [207], SE [207], CAUC [55, 212, 248], **GEO** [117], **ARM** [297], **TAD** [294, 295], **UZB** [267], **KYR** [267, 296, 351], **RUS-AS**: ARC-ESIB [93, 164], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [40, 141], S-FE [76, 77, 212]

Hyocomium armoricum (Brid.) Wijk & Margad. – excluded — {108}

Hyophila Brid. [Pottiaceae]

— ***involuta*** (Hook.) A.Jaeger – **RUS-AS**: S-SIB [69], S-FE [76]

Hypnum Hedw. [Hypnaceae], see also *Stereodon spp., Drepanium recurvatum, Calliergonella lindbergii, Breidleria pratensis*

— ***andoi*** A.J.E.Sm. (*H. mamillatum* (Brid.) Loeske) – **LTV** [244], **UKR**: C [66], M [66]

— ***cupressiforme*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [53, 207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TUR** [296], **TAD** [296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [93, 164, 212], W-SIB [265], S-SIB [69, 212], E-SIB [69, 70, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***cupressiforme*** var. ***lacunosum*** Brid. – **LAT** [1], **EST** [237], **UKR**: 66, K [328], **RUS-EUR**: KLN [309]

— ***cupressiforme*** var. ***subjulaceum*** Molendo – **UKR** [66, 328], **MLD** [367], **RUS-EUR**: NW [407], N-UR [207], **AZE** [277], **TAD** [296], **RUS-AS**: S-SIB [212, 200], E-SIB [275], ARC-YAK [239], YAK [239], S-FE [212, 221]

— *densirameum* Ando – excluded — {109}

— ***imponens*** Hedw. – **LAT** [3], ?**BEL** [355], **UKR**: C [66], M [66, 405], K [66, 328], **GEO** [117], **AZE** [277], ?**KAZ** [296], **RUS-EUR**: CAUC [425], **RUS-AS**: ?ARC-YAK [47], ?N-FE [94, 140], ?S-FE [76] — {110}

— ***jutlandicum*** Holmen & E.Warncke – **LAT** [3], **UKR**: M [66], **RUS-EUR**: KLN [309] — {111}

— ***saitoi*** Ando – **RUS-AS**: E-SIB [388], YAK [239], N-FE [46], S-FE [212, 221]

Hypopterygium Brid. [Hypopterygiaceae]

— ***flavolimbatum*** Müll. Hal. (*H. japonicum* Mitt.) – **RUS-AS**: S-FE [76, 77, 212] — {112}

Indusiella Broth. & Müll.Hal. [Grimmiaceae]

— ***thianschanica*** Broth. & Müll.Hal. – **RUS-EUR**: CAUC [12], **TAD** [295], **KYR** [103, 296], **RUS-AS**: S-SIB [69, 70, 212], YAK [239]

Isopterygiopsis Z.Iwats. [Plagiotheciaceae]

— ***alpicola*** (Lindb. & Arnell) Hedenäs (*Isopterygium alpicola* (Lindb. & Arnell) Nyholm) – **RUS-EUR**:

NW [364], NE [414], **RUS-AS**: S-SIB [200, 212], E-SIB [163, 275, 388], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [40, 140], S-FE [212, 221]

— ***muelleriana*** (Schimp.) Z.Iwats. (*Isopterygium muellerianum* (Schimp.) A.Jaeger) – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], N-UR [?47], **GEO** [117], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [212, 386], ARC-YAK [239], YAK [239], ARC-FE [40], N-FE [40, 140], S-FE [76, 77, 212]

— ***pulchella*** (Hedw.) Z.Iwats. (*Isopterygium pulchellum* (Hedw.) A.Jaeger) – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]

Isopterygium see *Isopterygiopsis, Pseudotaxiphyllum*

Isothecium Brid. [Lembophyllaceae], see also *Plasteurhynchium striatulum*

— ***alopecuroides*** (Lam. ex Dubois) Isov. (*I. myurum* Brid.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 212, 364, 407], NE [288], KLN [309], C [207, 212, 345], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277]

— ***hakkodense*** Besch. – **RUS-AS**: S-FE [77]

— ***myosuroides*** Brid. – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: NW [207, 212, 364, 407], NE [288], KLN [309], CAUC [55, 208, 212, 232], **GEO** [117]

Iwatsukiella W.R.Buck & H.A.Crum [*Leskeaceae]

— ***leucotricha*** (Mitt.) W.R.Buck & H.A.Crum – **RUS-EUR**: N-UR [150, 207, 212], S-UR [150, 207, 212], **GEO** [372], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69, 212], YAK [239], N-FE [40, 94, 140], S-FE [76, 77, 109, 212]

Jaffueliobryum Thér. [Grimmiaceae]

— ***latifolium*** (Lindb. & Arnell) Thér. – **RUS-EUR**: CAUC [249, 250], **RUS-AS**: W-SIB [339], S-SIB [69, 70, 212, 275], YAK [239] — {113}

Kiaeria I.Hagen [Rhabdoweisiaceae]

— ***blyttii*** (Bruch et al.) Broth. – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [212, 273, 364, 407], N-UR [150, 207, 415], S-UR [150, 207], CAUC [231], **RUS-AS**: ARC-ESIB [164], S-SIB [212, 336], E-SIB [163], YAK [239], ARC-FE [40], N-FE [94, 140]

— ***falcata*** (Hedw.) I.Hagen – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [84, 86], N-UR [150, 415], CAUC [55, 212], **GEO** [117], **AZE** [277], **RUS-AS**: S-SIB [197, 212], N-FE [140], S-FE [67]

— ***glacialis*** (Berggr.) I.Hagen – **RUS-EUR**: ARC [47, 150], NW [212, 273, 364], N-UR [150, 415], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], S-SIB [70], E-SIB [163], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [67]

— ***riparia*** (H.Lindb.) M.F.V.Corley (*Dicranella riparia* (H.Lindb.) Mårtensson & Nyholm) – **RUS-EUR**: NW [133], **RUS-AS**: ARC-WSIB [133, 136]

— ***starkei*** (F.Weber & D.Mohr) I.Hagen – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150, 415], NW [87, 273, 364], N-UR [150, 207, 212, 415], S-UR [150, 207], CAUC [55, 212, 231, 248], **GEO** [102, 117], **AZE** [277], **RUS-AS**: ARC-WSIB [136], S-SIB [70, 212], E-SIB [74, 212], YAK [239], ARC-FE [40, 212], N-FE [140], S-FE [212, 221]

Kindbergia Ochyra [Brachytheciaceae]

— ***praelonga*** (Hedw.) Ochyra (*Eurhynchium praelongum* (Hedw.) Bruch et al., *E. praelongum* var. *stokesii* (Turner) Dixon, *E. stokesii* (Turner) Bruch et al., *Oxyrrhynchium praelongum* (Hedw.) Warnst.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66]), **RUS-EUR**: KLN [309], CAUC [208, 212], **GEO** [117], **AZE** [277] — {114}

Leptobarbula Schimp. [Pottiaceae]

— ***berica*** (De Not.) Schimp. – **GEO** [117, 153], **AZE** [277]

Leptobryum (Bruch et al.) Wilson [Meesiaceae]

— ***pyriforme*** (Hedw.) Wilson – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN

[309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [208, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [294, 296], **KYR** [296, 351], **UZB** [267], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [77, 109, 212]

Leptodictyum (Schimp.) Warnst. [Amblystegiaceae], see also *Hygroamblystegium humile*

— ***riparium*** (Hedw.) Warnst. (*Amblystegium riparium* (Hedw.) Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [296], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [140], S-FE [76, 109, 212]

Leptodon D.Mohr [Neckeraceae]

— ***smithii*** (Hedw.) F.Weber & D.Mohr – **UKR**: K [66, 328], **RUS-EUR**: CAUC [55, 203, 208, 212, 232], **GEO** [117], **AZE** [277]

Leptodontium (Müll.Hal.) Lindb. [Pottiaceae]

— ***flexifolium*** (Dicks.) Hampe (incl. *L. styriacum* (Jur.) Limpr.) – **RUS-EUR**: CAUC [201, 249], **RUS-AS**: S-SIB [69, 70], S-FE [76, 178, 212] — {115}

Leptopterigynandrum Müll.Hal. [*Hypnaceae] — {116}

— ***austro-alpinum*** Müll.Hal. – **RUS-AS**: S-SIB [32, 182, 212], ARC-FE [32, 40, 182] — {116}

— ***subintegrum*** (Mitt.) Broth. – **RUS-AS**: S-SIB [182]

— ***tenellum*** Broth. – **RUS-AS**: S-SIB [182]

Lescuraea Bruch et al. [Pseudoleskeaceae]

— ***incurvata*** (Hedw.) E.Lawton (*Pseudoleskea incurvata* (Hedw.) Loeske) – **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [87, 212, 364], NE [212, 415], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [296], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], ARC-FE [40], N-FE [140], S-FE [212, 221]

— ***incurvata*** var. ***gigantea*** E.Lawton – **RUS-EUR**: CAUC [231], **RUS-AS**: ARC-FE [40]

— ***mutabilis*** (Brid.) Lindb. – **UKR**: C [66], **RUS-EUR**: ?N-UR [415], ?S-UR [150], CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TUR** [296], **KYR** [296], **RUS-AS**: S-SIB [212, 336], ?N-FE [94, 140] — {117}

— ***patens*** Lindb. (*Pseudoleskea patens* (Lindb.) Kindb.) – **UKR**: C [66], **RUS-EUR**: NW [364], NE [415], N-UR [150, 415], CAUC [212, 231], **AZE** [277], **KAZ** [296], **KYR** [296], **RUS-AS**: S-SIB [212, 336], N-FE [140]

— ***plicata*** (Schleich. ex F.Weber & D.Mohr) Broth. (*Ptychodium plicatum* (Schleich. ex F.Weber & D.Mohr) Schimp.) – **UKR**: C [66, 413], **RUS-EUR**: CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277]

— ***radicosa*** (Mitt.) Mönk. (*Pseudoleskea radicosa* (Mitt.) Macoun & Kindb.) – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [87, 273, 364, 407], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [55, 212, 231], **ARM** [297], **KAZ** [156, 296, 356], **RUS-AS**: S-SIB [70, 212], E-SIB [212, 247], ?ARC-YAK [47], ARC-FE [40], N-FE [94, 140]

— ***saviana*** (De Not.) E.Lawton (*Pseudoleskea saviana* (De Not.) Latzel) – **UKR**: C [66], K [66, 328], **RUS-EUR**: CAUC [55, 231], **GEO** [117], **AZE** [277]

— ***saxicola*** (Bruch et al.) Molendo – **UKR**: C [66], **RUS-EUR**: ARC [47, 127], NW [212, 273, 364, 407], NE [101], N-UR [150, 90, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [156, 296, 356], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [275], YAK [239], ARC-FE [40], N-FE [141], S-FE [76, 109, 212]

— ***secunda*** Arnell – **RUS-EUR**: N-UR [150, 207, 212], **RUS-AS**: S-SIB [70, 197], N-FE [140]

Leskea Hedw. [Leskeaceae]

— ***polycarpa*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328],

MLD [367], **RUS-EUR**: ARC [47, 150], NW [207, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [?47], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 275], YAK [239], N-FE [40, 140], S-FE [76, 77, 109, 212]

Leskeella see *Pseudoleskeella*

Leucobryum Hampe [Leucobryaceae]

— ***glaucum*** (Hedw.) Ångstr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **RUS-EUR**: NW [262], KLN [309], C [207, 212, 345], CAUC [55], **GEO** [117], **AZE** [277], **RUS-AS**: S-FE [76, 77, 109, 212]

— ***juniperoideum*** (Brid.) Müll.Hal. – **UKR** [315], **RUS-EUR**: CAUC [55, 208, 212], **GEO** [117], **RUS-AS**: S-FE [76, 115, 212]

Leucodon Schwägr. [Leucodontaceae]

— ***coreensis*** Cardot – **RUS-AS**: S-FE [203, 212]

— ***flagellaris*** Lindb. ex Broth. – **RUS-EUR**: CAUC [55, 203, 212, 231], **GEO** [117]

— ***immersus*** Lindb. – **RUS-EUR**: CAUC [55, 203, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [296]

— ***pendulus*** Lindb. – **RUS-EUR**: C [207], **RUS-AS**: YAK [239], S-FE [76, 114, 203, 212]

— ***sciuroides*** (Hedw.) Schwägr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [203, 207, 212, 364, 407], KLN [309], C [203, 207, 212], N-UR [150, 203, 207, 212, 415], S-UR [150, 203, 207, 212], SE [207], CAUC [55, 203, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 348, 356], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 203, 212], E-SIB [203, 212], YAK [239], S-FE [77, 114, 203, 212]

Limprichtia see *Scorpidium*

Lindbergia Kindb. [Leskeaceae]

— ***brachyptera*** (Mitt.) Kindb. – **GEO** [117], **ARM** [297], **RUS-AS**: S-SIB [20, 69, 212], S-FE [178] — {118}

— ***duthiei*** (Broth.) Broth. – **RUS-AS**: S-FE [76]

— ***grandiretis*** (Lindb. ex Broth.) Ignatov & Ignatova, comb. nov. – *Leskea grandiretis* Lindb. ex Broth., *Acta Soc. Sci. Fenn.* 19(12): 97. 1892 (*L. brachyptera* auct. Fl. Cauc. non (Mitt.) Kindb.) – **RUS-EUR**: CAUC [102, 250], **GEO** [117], **ARM** [297] — {118}

— ***japonica*** Cardot – **RUS-AS**: S-FE [268]

Loeskeobryum M.Fleisch. ex Broth. [Hylocomiaceae]

— ***brevirostre*** (Brid.) M.Fleisch. (*Hylocomium brevirostre* (Brid.) Bruch et al., *Loeskeobryum cavifolium* M.Fleisch.) – **UKR**: C [66], K [66, 328], **RUS-EUR**: KLN [309], C [207], CAUC [14, 232], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: N-FE [140], S-FE [109]

Loeskypnum H.K.G.Paul [Calliergonaceae]

— ***badium*** (Hartm.) H.K.G.Paul (*Drepanocladus badius* (Hartm.) G.Roth) – **LAT** [4], **EST** [237], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], NE [207, 212, 416], N-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [114, 212, 221]

— ***wickesii*** (Grout) Tuom. – **RUS-AS**: ARC-FE [40]

Lyellia R.Br. [Polytrichaceae]

— ***aspera*** (I.Hagen & C.E.O.Jensen) Frye – **RUS-AS**: ARC-ESIB [47], E-SIB [212, 398], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [40, 94], S-FE [212, 221]

Macromitrium Brid. [Orthotrichaceae]

— ***hymenostomum*** Mont. – **RUS-AS**: S-FE [76, 212]

— ***japonicum*** Dozy & Molk. – **RUS-AS**: S-FE [76, 77, 114, 212]

Mamillariella Laz. [Leskeaceae]

— ***geniculata*** Laz. – **RUS-AS**: S-FE [76, 212]

Meesia Hedw. [Meesiaceae]

— ***hexasticha*** (Funck) Bruch – **LAT** [3], **BEL** [355], **RUS-AS**: YAK [239], ARC-FE [40]

— ***longiseta*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: M [66], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 415], KLN [309], C [207], N-UR [150, 207], S-UR [150, 207], **GEO** [117], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [93, 212], W-SIB [212, 265], S-SIB [69, 70], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40], N-FE [40, 140], S-FE [76] — {119}

— ***triquetra*** (Jolycl.) Ångstr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], CAUC [54], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 212]

— ***uliginosa*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 114]

Metaneckera see *Neckera menziesii*

Meteorium (Brid.) Dozy & Molk. [Meteoriaceae]

— ***buchananii*** (Brid.) Broth. – **RUS-AS**: S-FE [278]

Microbryum Schimp. [Pottiaceae] — {120}

— ***curvicollum*** (Hedw.) R.H.Zander (*Phascum curvicollum* Hedw.) – **UKR**: M [66], **RUS-EUR**: KLN [309], SE [207, 212, 377], **TUR** [11, 296]

— ***davallianum*** (Sm.) R.H.Zander (*Pottia davalliana* (Sm.) C.E.O.Jensen, *Tortula angustifolia* Lindb. ex Broth.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: C [207, 345], **GEO** [117]

— ***floerkeanum*** (F.Weber & D.Mohr) Schimp. (*Phascum floerkeanum* F.Weber & D.Mohr) – **LTV** [244]

— ***rectum*** (With.) R.H.Zander (*Pottia recta* (With.) Mitt.) – CAUCASUS [341, 361]

— ***starckeanum*** (Hedw.) R.H.Zander (*Pottia starckeana* (Hedw.) Müll.Hal.) – **UKR**: K [66, 328], **RUS-EUR**: KLN [408], **TUR** [296], **TAD** [295]

— ***vlassovii*** (Laz.) R.H.Zander – **ARM** [297], **AZE** [277], **KAZ** [295], **TUR** [267, 295, 296], **UZB** [267, 295, 296], **TAD** [294, 295], **KYR** [295, 296, 349, 351]

Mielichhoferia Nees & Hornsch. [Mielichhoferiaceae], see also *Bryum caucasicum (=M. himalayana)*

— ***elongata*** (Hoppe & Hornsch. ex Hook.) Hornsch. (*M. mielichhoferiana* var. *elongata* (Hoppe & Hornsch. ex Hook.) Wijk & Margad.) – **TAD** [296], **RUS-AS**: E-SIB [74, 212]

— ***japonica*** Besch. (*M. mielichhoferiana* var. *japonica* (Besch.) Wijk & Margad.) – **RUS-AS**: S-FE [77]

— ***macrocarpa*** (Hook.) Bruch & Schimp. – **TAD** [296], **RUS-AS**: S-SIB [69, 70], YAK [239]

— ***mielichhoferiana*** (Funck) Loeske – **RUS-EUR**: CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **TAD** [294, 296], **RUS-AS**: S-SIB [69, 70], ARC-FE [40], N-FE [141], S-FE [111, 114, 212]

Miyabea Broth. [*Leskeaceae]

— ***fruticella*** (Mitt.) Broth. – **RUS-AS**: S-FE [76]

— ***rotundifolia*** Cardot – **RUS-AS**: S-FE [76]

Mniobryum see *Pohlia*

Mnium Hedw. [Mniaceae], see also *Cyrtomnium, Plagiomnium, Pseudobryum, Rhizomnium, Trachycystis*

— ***blyttii*** Bruch et al. – **RUS-EUR**: ARC [47, 150], NW [212, 273, 364], N-UR [150, 415], ?**KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [70], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40]

— ***heterophyllum*** (Hook.) Schwägr. – **RUS-EUR**: C [207, 345], CAUC [248], **GEO** [117], **KAZ** [296, 356], **KYR** [296], **RUS-AS**: E-SIB [212, 247], S-FE [76, 77, 212]

— ***hornum*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [87, 207, 364, 407], KLN [309], CAUC [55, 212], **GEO** [31], **AZE** [277], **KAZ** [159, 296, 356], **KYR** [296], **RUS-AS**: S-FE [77, 109] — {121}

— ***laevinerve*** Cardot – **TAD** [296], **KYR** [296], **RUS-AS**: E-SIB [212, 247], N-FE [140], S-FE [76, 77, 212] — {122}
— ***lycopodioides*** Schwägr. (*M. ambiguum* H.Müll., *M. magnirete* (Lindb. & Arnell) Kindb.) – **LTV** [244], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 381], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [296], **KYR** [296, 351], **UZB** [267], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 336], S-SIB [69, 70, 212], E-SIB [74, 212, 247], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212] — {122}
— ***marginatum*** (Dicks.) P.Beauv. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [207, 273, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 247], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 109, 212]
— ***spinosum*** (Voit) Schwägr. – **UKR**: C [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [87, 273, 364, 407], NE [207, 212, 364, 415], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **TAD** [296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [36, 47, ?239], YAK [239], ARC-FE [40, 212], N-FE [140], S-FE [76, 212, 221]
— ***spinulosum*** Bruch et al. – **UKR**: C [66], **RUS-EUR**: NE [207, 212, 415], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **KAZ** [296, 356], **KYR** [296], **RUS-AS**: W-SIB [265], S-SIB [70, 212], E-SIB [212, 247], YAK [239], S-FE [76, 212, 221]
— ***stellare*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **KYR** [296], **RUS-AS**: ARC-ESIB [93, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 247], ARC-YAK [239], YAK [239], N-FE [140], S-FE [76, 77, 212]
— ***thomsonii*** Schimp. – **UKR**: C [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150, 415], NW [364, 407], NE [207, 212, 415], N-UR [150, 207, 212, 415], S-UR [91], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **UZB** [347], **TAD** [294, 296], **KYR** [296, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [264], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 141], S-FE [76, 77, 212]

Molendoa Lindb. [Pottiaceae]
— ***hornschuchiana*** (Hook.) Lindb. ex Limpr. – **UKR**: C [66, 413]
— ***schliephackei*** (Limpr. ex Schlieph.) R.H.Zander (*Anoectangium schliephackei* (Limpr. ex Schlieph.) Paris, *Pleuroweisia schliephackei* Limpr. ex Schlieph.) – **RUS-EUR**: CAUC [102, 250], **GEO** [117], **TAD** [295]
— ***sendtneriana*** (Bruch et al.) Limpr. – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], C [207, 345], N-UR [150, 207, 212, 415], S-UR [150, 207], CAUC [55, 102, 212], **AZE** [277], **TAD** [295], **KYR** [296], **RUS-AS**: ARC-ESIB [164], S-SIB [69, 70, 212], E-SIB [74, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40], S-FE [76, 212, 221]
— ***sendtneriana*** var. ***transcaspica*** Györffy – **KAZ** [105], **TUR** [296], **TAD** [295], **RUS-AS**: S-SIB [69]
— ***seravschanica*** Broth. ex Györffy – **TAD** [295], **RUS-AS**: ARC-WSIB [136]
— ***tenuinervis*** Limpr. – **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [39], E-SIB [50, 162], ARC-YAK [36, 239], YAK [239], ARC-FE [40], N-FE [40]

Myrinia Schimp. [*Amblystegiaceae]
— ***pulvinata*** (Wahlenb.) Schimp. (*Pseudoleskea korjakorum* Laz.) – **LAT** [3], **EST** [237], **RUS-EUR**: ARC [47, 150], NW [207, 364, 407], NE [207, 212, 415], C [207, 212, 345], N-UR [90, 150, 207,

212], S-UR [150, 207, 212], **RUS-AS**: ARC-ESIB [275], W-SIB [212, 265], S-SIB [197, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [40], S-FE [114] — {123}

— ***rotundifolia*** (Arnell) Broth. (*Myuroclada rotundifolia* (Arnell) Abramova & I.I.Abramov) – **RUS-AS**: E-SIB [162], ARC-YAK [47, 239], YAK [239]

Myurella Bruch et al. [Plagiotheciaceae]

— ***acuminata*** Lindb. & Arnell – **RUS-AS**: E-SIB [162, 218, 275, 388], YAK [212, 239]

— ***julacea*** (Schwägr.) Bruch et al. – **LAT** [3], **EST** [237], **UKR**: C [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [212, 364, 407], NE [207, 212, 415], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [294, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [114, 212, 221]

— ***sibirica*** (Müll.Hal.) Reimers – **RUS-EUR**: ARC [47, 150], N-UR [150, 207, 415], S-UR [150], CAUC [249], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 162, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [140], S-FE [76, 212, 221]

— ***tenerrima*** (Brid.) Lindb. – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [87, 212, 364, 407], N-UR [150, 207, 212, 415], CAUC [14], **GEO** [13], **AZE** [277], **KAZ** [296, 356], **TUR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140] — {124}

Myuroclada Besch. [Brachytheciaceae], see also *Myrinia rotundifolia*

— ***maximowiczii*** (G.G.Borshch.) Steere & W.B.Schofield – **RUS-EUR**: SE [207, 404], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 198, 212], E-SIB [69, 212, 275], YAK [212, 239], N-FE [94, 140], S-FE [76, 77, 109, 212] — {125}

Neckera Hedw. [Neckeraceae]

— ***besseri*** (Lobarz.) Jur. (*Homalia besseri* Lobarz.) – **UKR**: C [66], M [66, 148], K [66, 328], **MLD** [367], **RUS-EUR**: NW [407], N-UR [150, 207, 415], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **RUS-AS**: S-SIB [70, 212]

— ***borealis*** Nog. – **RUS-AS**: S-SIB [69, 70, 212], E-SIB [74, 212, 247], S-FE [76, 77, 109, 212]

— ***complanata*** (Hedw.) Huebener – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207, 364, 407], NE [53], KLN [309], C [207], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], ?**KAZ** [156, 159, 296]

— ***crispa*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [?355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [407], KLN [309], C [?207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277]

— ***menziesii*** Drumm. (*Metaneckera menziesii* (Drumm.) Steere, *Neckera turgida* Jur.) – **UKR**: K [66, 328, 341], **GEO** [28, 117]

— ***pennata*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47], YAK [212, 239], ARC-FE [40], N-FE [140], S-FE [76, 77, 212]

— ***pennata*** var. ***tenera*** Müll.Hal. (*N. oligocarpa* Bruch) – **RUS-EUR**: ARC [127, 150], NW [85, 212, 364, 407], NE [415], N-UR [150, 415], S-UR [150, 212], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [239], YAK [239], N-FE [94], S-FE [113, 212]

— ***pumila*** Hedw. – **UKR**: C [66], **RUS-EUR**: CAUC [55, 208, 212], **GEO** [117], **ARM** [297]

— ***yezoana*** Besch. – **RUS-AS**: S-FE [76, 77, 109, 212]

?*Neckeropsis nitidula* (Mitt.) M.Fleisch. – **RUS-AS**: S-FE [376] — {52}

Niphotrichum (Bednarek-Ochyra) Bednarek-Ochyra & Ochyra [Grimmiaceae]

— ***barbuloides*** (Cardot) Bednarek-Ochyra & Ochyra (*Racomitrium barbuloides* Cardot) – **RUS-AS**: N-FE [140]

— ***canescens*** (Hedw.) Bednarek-Ochyra & Ochyra (*Racomitrium canescens* (Hedw.) Brid.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [96, 212], S-SIB [69, 70, 202, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 212]

— ***elongatum*** (Frisvoll) Bednarek-Ochyra & Ochyra (*Racomitrium elongatum* Ehrh. ex Frisvoll) – **EST** [237], **UKR**: C [402], K [328, 402], **RUS-EUR**: KLN [309]

— ***ericoides*** (Brid.) Bednarek-Ochyra & Ochyra (*Racomitrium ericoides* (F.Weber ex Brid.) Brid.) – **LAT** [3], **EST** [237], **UKR** [66], **RUS-EUR**: ARC [47, 150], NW [364, 407], KLN [309], CAUC [102], **GEO** [117], **RUS-AS**: ARC-ESIB [50], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40, 140]

— ***japonicum*** (Dozy & Molk.) Bednarek-Ochyra & Ochyra (*Racomitrium japonicum* Dozy & Molk.) – **RUS-AS**: S-FE [80, 114]

— ***muticum*** (Kindb.) Bednarek-Ochyra & Ochyra (*Racomitrium muticum* (Kindb.) Frisvoll) – **RUS-AS**: N-FE [140], S-FE [67]

— ***panschii*** (Müll.Hal.) Bednarek-Ochyra & Ochyra (*Racomitrium panschii* (Müll.Hal.) Kindb.) – **RUS-EUR**: ARC [47], **RUS-AS**: ARC-ESIB [164], S-SIB [202, 212], E-SIB [163], ARC-YAK [47, 239], YAK [117, 239], ARC-FE [40, 212], N-FE [140], S-FE [212, 221]

Nyholmiella see *Orthotrichum*

Ochyraea Váňa [*Amblystegiaceae]

— ***alpestris*** (Hedw.) Ignatov & Ignatova (*Hygrohypnum alpestre* (Hedw.) Loeske) – **RUS-EUR**: ARC [47, 138, 150], NW [138, 273, 364, 407], NE [207, 415], N-UR [150, 138, 415], S-UR [138, 150], CAUC [138], **KAZ** [296, 159], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [138, 164, 275], W-SIB [138], S-SIB [138], E-SIB [138], ARC-YAK [47, 138, 239], YAK [138, 239], ARC-FE [40, 138], N-FE [40]

— ***cochlearifolia*** (Venturi) Ignatov & Ignatova (*Hygrohypnum cochlearifolium* (Venturi) Broth.) – **RUS-EUR**: NW [138, 364], N-UR [138, 150, 207], CAUC [138], **RUS-AS**: ARC-WSIB [136], W-SIB [138], S-SIB [138], E-SIB [138], ARC-FE [40, 138], N-FE [138, 140], S-FE [138, 221]

— ***duriuscula*** (De Not.) Ignatov & Ignatova, comb. nov. – *Limnobium duriusculum* De Not., *Erbario Crittogamico Italiano* ser. 2, 204. 1869. (*Hygrohypnum duriusculum* (De Not.) D.W.Jamieson) – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [138, 273, 364, 407], NE [138], N-UR [90, 138, 150, 415], S-UR [138, 150], CAUC [55, 138, 231, 248], **GEO** [117], **KAZ** [156, 159], **KYR** [296], **RUS-AS**: ARC-WSIB [136], S-SIB [69, 70, 138], E-SIB [138, 167, 275], YAK [138, 239], ARC-FE [40, 138], N-FE [138, 140], S-FE [76, 114, 138]

— ***mollis*** (Hedw.) Ignatov (*Hygrohypnum molle* (Hedw.) Loeske) – **LTV** [244], **UKR**: C [66], **RUS-EUR**: NW [87, 138, 364], **ARM** [297], **RUS-AS**: YAK [138, 239], ARC-FE [40, 138], N-FE [138, 221]

— ***norvegica*** (Bruch et al.) Ignatov & Ignatova (*Hygrohypnum norvegicum* (Bruch et al.) J.J.Amann) – **RUS-EUR**: NW [138, 364], N-UR [150, 415], **RUS-AS**: ARC-ESIB, S-SIB [138], E-SIB [138, 275], N-FE [138], S-FE [138, 221]

— ***smithii*** (Sw.) Ignatov & Ignatova (*Hygrohypnum smithii* (Sw.) Broth.) – **RUS-EUR**: NW [87, 100, 138, 364], CAUC [138], **GEO** [15], **ARM** [297], **TAD** [296], **RUS-AS**: S-FE [67]

Oedipodium Schwägr. [Oedipodiaceae]

— ***griffithianum*** (Dicks.) Schwägr. – **RUS-AS**: S-FE [209]

Okamuraea Broth. [Brachytheciaceae]

— ***brachydictyon*** (Cardot) Nog. – **RUS-AS**: S-FE [76, 77, 212]

— ***hakoniensis*** (Mitt.) Broth. – **RUS-AS**: S-FE [76, 109, 212]

Oligotrichum DC. [Polytrichaceae]

— ***aligerum*** Mitt. – **RUS-AS**: N-FE [140], S-FE [76, 77, 114]

— ***falcatum*** Steere – **RUS-AS**: S-SIB [238], ARC-YAK [47, 212, 238, 239], YAK [238, 239], ARC-FE [40, 238], N-FE [238], S-FE [212, 238]

— ***hercynicum*** (Hedw.) Lam. & DC. – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150, 238], NW [212, 238, 273, 291, 364], NE [417a], C [207, 238], N-UR [150, 207, 212, 238], S-UR [150], CAUC [55, 212, 231, 238, 248], **GEO** [117], **RUS-AS**: ARC-ESIB [47], S-SIB [212, 238], E-SIB [126, 212], ARC-FE [40], N-FE [140, 238], S-FE [77, 212]
— ***parallelum*** (Mitt.) Kindb. – **RUS-AS**: N-FE [94, 140], S-FE [76, 114, 212]
Oncophorus (Brid.) Brid. [Rhabdoweisiaceae]
— ***compactus*** (Bruch et al.) Kindb. (*O. wahlenbergii* var. *compactus* (Bruch et al.) Braithw.) – **RUS-EUR**: ARC [47, 150], NW [212, 273, 364, 407], N-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [39, 164], E-SIB [126, 212, 386], ARC-YAK [47], YAK [239], ARC-FE [40, 212], N-FE [40, 140]
— ***crispifolius*** (Mitt.) Lindb. – ?**KAZ** [296, 356], **RUS-AS**: N-FE [140], S-FE [76, 109, 212] — {61}
— ***virens*** (Hedw.) Brid. – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], NE [207, 212, 415], N-UR [150, 207, 212], S-UR [150, 207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156],**TAD** [294, 295], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212]
— ***wahlenbergii*** Brid. – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207], N-UR [90, 150, 207, 212], S-UR [150, 207], **ARM** [297], **KAZ** [156, 296, 356], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]
Oreas Brid. [Rhabdoweisiaceae]
— ***martiana*** (Hoppe & Hornsch.) Brid. – **RUS-EUR**: CAUC [102, 212, 248], **GEO** [102], **RUS-AS**: S-SIB [69, 70], ARC-FE [40]
Orthodicranum see *Dicranum*
Orthodontium Schwägr. [Orthodontiaceae]
— ***lineare*** Schwägr. (*O. australe* Hook.f. & Wilson) – **RUS-EUR**: KLN [309]
Orthodontopsis Ignatov & B.C.Tan [Orthodontiaceae]
— ***bardunovii*** Ignatov & B.C.Tan – **RUS-AS**: S-SIB [212, 220, 334]
Orthothecium Bruch et al. [Plagiotheciaceae]
— ***chryseon*** (Schwägr.) Bruch et al. – **RUS-EUR**: ARC [47, 150], NW [364, 407], N-UR [150, 415], **ARM** [297], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [47], S-SIB [69, 70, 212], E-SIB [74, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [114, 212, 221]
— ***intricatum*** (Hartm.) Bruch et al. – **UKR**: C [66], K [66, 328], **RUS-EUR**: ARC [47], NE [212, 415], N-UR [150, 207], S-UR [150, 207], CAUC [55, 208, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159],**TAD** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], S-SIB [70, 212], YAK [239]
— ***rufescens*** (Dicks. ex Brid.) Bruch et al. – **UKR**: C [66], **RUS-EUR**: NW [407], ?NE [415], ?N-UR [415], CAUC [55, 212] — {126}
— ***strictum*** Lorentz – **RUS-EUR**: ARC [47], NW [364, 407], NE [207, 212, 415], N-UR [150, 207, 212, 415], S-UR [91], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94], S-FE [114]
Orthotrichum Hedw. [Orthotrichaceae]
— ***affine*** Brid. (*O. fastigiatum* Bruch ex Brid.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [85, 207, 212], KLN [309], C [207, 212, 345], S-UR [150, 207], SE [207], CAUC [208, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 348], **TUR** [296], **TAD** [296], **RUS-AS**: ?N-FE [140] — {127}
— ***alpestre*** Hornsch. ex Bruch et al. – **UKR**: C [66], **RUS-EUR**: NW [212, 364, 407], S-UR [150, 207, 212], CAUC [231, 248], **GEO** [117], **ARM** [297], **KAZ** [157, 296, 356], **TAD** [294, 296], **KYR** [267, 296], **RUS-AS**: ARC-WSIB [136], S-SIB [70, 212, 214], E-SIB [275]
— ***anomalum*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150, 415], NW [207, 364, 407], NE [207, 212, 415], KLN [309], C

[207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [267, 296, 351], **UZB** [267], **RUS-AS**: ARC-WSIB [136], S-SIB [69, 70, 212, 214], E-SIB [162], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [40], S-FE [114, 212, 268]

— ***callistomum*** Fisch.-Oost. ex Bruch et al. – **RUS-EUR**: CAUC [57, 212, 248]

— ***consobrinum*** Cardot – **RUS-AS**: S-FE [76, 212]

— ***cupulatum*** Brid. (*O. limprichtii* I.Hagen) – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [407], C [207, 212, 345], N-UR [90, 150, 207, 212], S-UR [150], SE [207], CAUC [212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [267, 296], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: S-SIB [212, 214]

— ***cupulatum*** var. ***riparium*** Huebener (*O. cupulatum* var. *nudum* (Dicks.) Braithw., *O. nudum* Dicks.) – **UKR**: M [66], K [66, 328], **RUS-EUR**: KLN [309], **TUR** [296]

— ***dasymitrium*** Lewinsky – **RUS-AS**: S-SIB [214]

— ***diaphanum*** Brid. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [261], KLN [309], SE [207], CAUC [212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KYR** [350],

— ***furcatum*** Otnyukova – **RUS-AS**: S-SIB [212, 321]

— ***gymnostomum*** Bruch ex Brid. – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66, 402], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 407], NE [207], C [207, 212], CAUC [55, 212, 231], **AZE** [277], **KAZ** [296, 356], **RUS-AS**: S-SIB [212, 395], YAK [239]

— ***hallii*** Sull. & Lesq. – **KAZ** [272]

— ***holmenii*** Lewinsky-Haapasaari – **KAZ** [272]

— ***iwatsukii*** Ignatov (*O. laevigatum* J.E.Zetterst. var. *japonicum* (Z.Iwats.) Lewinsky) – **KAZ** [155], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [212, 214], E-SIB [163], YAK [239] — {128}

— ***laevigatum*** J.E.Zetterst. – **RUS-EUR**: NE [415], **KAZ** [155, 160, 296, 356], **TAD** [294, 296], **RUS-AS**: ARC-ESIB [212], ARC-YAK [239], YAK [239], ARC-FE [40], N-FE [40] — {128}

— ***lyellii*** Hook. & Taylor – **LTV** [244], **LAT** [3], **EST** [396], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: KLN [309], CAUC [102, 208, 212, 231], **GEO** [117], **AZE** [277], **KAZ** [296, 356], **TAD** [296]

— ***microcarpum*** De Not. – **GEO** [117]

— ***obtusifolium*** Brid. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [160, 348], **TUR** [296], **TAD** [293, 296], **KYR** [296], **RUS-AS**: W-SIB [212, 265, 275], S-SIB [212, 69, 70, 214], E-SIB [69, 212, 275], YAK [212, 239], ARC-FE [40], N-FE [140], S-FE [76, 77, 114, 212]

— ***pallens*** Bruch ex Brid. (*O. sibiricum* Gronvall) – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 391, 407], KLN [309], C [207, 212, 345], S-UR [91, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [356], **TUR** [296], **TAD** [294], **UZB** [267], **RUS-AS**: ARC-ESIB [164, 212, 275], S-SIB [212, 214, 275], E-SIB [212, 275], YAK [239], N-FE [40] — {129}

— ***patens*** Bruch ex Brid. – **LAT** [3], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: KLN [309], CAUC [208, 212], **ARM** [297], **AZE** [277], **KAZ** [348], **TAD** [294, 296], **KYR** [296]

— ***pellucidum*** Lindb. – **RUS-AS**: S-SIB [212, 214], N-FE [40]

— ***pumilum*** Sw. ex anon. (*O. fallax* Bruch ex Brid., *O. schimperi* Hammar, *O. philibertii* Venturi) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207], KLN [309], C [207, 212, 345], S-UR [150, 207], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 348, 356], **TUR** [267, 296], **TAD** [293, 294, 296], **KYR** [267, 296, 351], **RUS-AS**: S-SIB [70, 212, 214]

— ***pylaisii*** Brid. – **RUS-EUR**: ARC [47], NW [85, 212, 261, 287, 364], **RUS-AS**: N-FE [140]

— ***rogeri*** Brid. – **GEO** [102], **AZE** [277], **RUS-AS**: S-SIB [212, 214]

— ***rupestre*** Schleich. ex Schwägr. – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**:

NW [364, 407], S-UR [150, 207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: S-SIB [69, 70, 212, 214], S-FE [76]

— ***rupestre*** var. ***sturmii*** (Hornsch.) Jur. – **TAD** [296], **KYR** [267, 296]

— ***scanicum*** Gronvall – **UKR**: M [66], **RUS-EUR**: CAUC [231], **RUS-AS**: E-SIB [212, 247]

— ***sordidum*** Sull. & Lesq. (*O. caucasicum* Venturi) – **RUS-EUR**: CAUC [55, 57, 102, 212, 231, 248], **ARM** [297], **KYR** [296], **RUS-AS**: S-SIB [212, 214], E-SIB [212, 247], YAK [239], ARC-FE [40, 212], N-FE [140], S-FE [76, 77, 212]

— ***speciosum*** Nees (*O. killiasii* Müll.Hal., *O. elegans* Schwägr. ex Hook. & Grev.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356, 348], **TUR** [296], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212, 214], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 268, 221]

— ***sprucei*** Mont. – **KAZ** [175]

— *stellatum* Brid. – excluded — {130}

— ***stramineum*** Hornsch. ex Brid. – **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: KLN [309], CAUC [55, 208, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157]

— ***striatum*** Hedw. – **LTV** [244], **LAT** [3], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: KLN [309], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [348], **TUR** [296], **KYR** [296], **RUS-AS**: S-SIB [212, 214], S-FE [110, 212, 221]

— ***tenellum*** Bruch ex Brid. (*O. australe* Jur.) – **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **ARM** [297], **KAZ** [348, 393], **TAD** [296], **KYR** [296], **UZB** [267]

— ***urnaceum*** Müll.Hal. – **ARM** [102, 297], **AZE** [277]

— ***urnigerum*** Myrin – **RUS-EUR**: NW [407], CAUC [102, 231], **AZE** [277], **KYR** [267], **RUS-AS**: ARC-FE [40]

— ***vicarium*** Laz. – **KYR** [267, 271, 296]

— ***vladikavkanum*** Venturi – **RUS-EUR**: CAUC [55, 57, 212, 248], **RUS-AS**: S-SIB [212, 214]

Oxyrrhynchium (Bruch et al.) Warnst. [Brachytheciaceae]

— ***hians*** (Hedw.) Loeske (*Eurhynchium hians* (Hedw.) Sande Lac.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 291], NE [207, 416], KLN [309], C [207, 212], N-UR [207], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156], **TAD** [296], **KYR** [267, 296], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 198, 212], E-SIB [212, 275], ARC-YAK [47], YAK [239], N-FE [140], S-FE [76, 77, 109, 212] — {131}

— ***pumilum*** (Wilson) Loeske (*Eurhynchium pumilum* (Wilson) Schimp., *Rhynchostegiella pumila* (Wilson) E.F.Warb.) – **RUS-EUR**: CAUC [208], **AZE** [277]

— ***savatieri*** (Schimp. ex Besch.) Broth. – **RUS-AS**: S-FE [178]

— ***schleicheri*** (R.Hedw.) Röll (*Eurhynchium schleicheri* (R.Hedw.) Milde) – **LTV** [244], **LAT** [3], **UKR**: K [66, 328], **MLD** [21], **RUS-EUR**: KLN [309], CAUC [208, 212], **ARM** [297], **AZE** [277], ?**KAZ** [70, 296], ?**RUS-AS**: S-FE [76, 268] — {132}

— ***speciosum*** (Brid.) Warnst. (*Eurhynchium speciosum* (Brid.) Jur.) – **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: KLN [309], S-UR [207], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [9, 296], **UZB** [347], **KYR** [296] — {133}

Oxystegus (Lindb. ex Limpr.) Hilp. [Pottiaceae]

— ***tenuirostris*** (Hook. & Taylor) A.J.E.Sm. (*Trichostomum tenuirostre* (Hook. & Taylor) Lindb.) – **LAT** [3], **EST** [397], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [207, 212, 364, 407], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157, 296], **TAD** [294, 295], **KYR** [296], **RUS-AS**: ARC-ESIB [96, 212], S-SIB [69, 70, 212], E-SIB [212, 386], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

Palamocladium Müll.Hal. [Brachytheciaceae]

— ***euchloron*** (Müll.Hal.) Wijk & Margad. – **UKR**: K [66, 328], **RUS-EUR**: ?SE [207], CAUC [55, 208, 212, 232, 250], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [9, 296]

Paludella Brid. [Meesiaceae]

— ***squarrosa*** (Hedw.) Brid. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 303, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [67, 212]

Palustriella Ochyra [Amblystegiaceae]

— ***commutata*** (Hedw.) Ochyra (*Cratoneuron commutatum* (Hedw.) G.Roth) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [366a], KLN [309], C [207, 212, 345], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TUR** [267, 296], **UZB** [267], **TAD** [294, 296], **KYR** [267, 296, 351], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 247], YAK [212], N-FE [40, 140], S-FE [37, 212]

— ***decipiens*** (De Not.) Ochyra (*Cratoneuron decipiens* (De Not.) Loeske) – **LAT** [5], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 212, 415], C [207], N-UR [150, 415], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 247], YAK [212], S-FE [114]

— ***falcata*** (Brid.) Hedenäs (*Cratoneuron falcatum* (Brid.) G.Roth, *P. commutata* var. *falcata* (Brid.) Ochyra) – **LAT** [1], **EST** [237], **UKR**: [66], C [269], **RUS-EUR**: NW [87, 212, 364, 407], NE [414], **AZE** [277], **TUR** [296], **TAD** [296], **KYR** [296], **RUS-AS**: S-SIB [70] — {134}

Paraleucobryum (Limpr.) Loeske [Dicranaceae]

— ***enerve*** (Thed.) Loeske – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [87, 212, 364], N-UR [150, 415], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [296], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 247], ARC-FE [40], N-FE [140], S-FE [76, 212]

— ***longifolium*** (Hedw.) Loeske – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66]), **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [212, 415], KLN [309], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [296], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 275], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***sauteri*** (Bruch et al.) Loeske (*P. longifolium* var. *sauteri* (Bruch et al.) C.E.O.Jensen) – **UKR**: C [66], **RUS-EUR**: NW [407], CAUC [231], **GEO** [102, 117]

Pelekium Mitt. [Thuidiaceae]

— ***minutulum*** (Hedw.) Touw (*Cyrto-hypnum minutulum* (Hedw.) W.R.Buck & H.A.Crum, *Microthuidium minutulum* (Hedw.) Warnst.) – **LTV** [244], **EST** [237], **BEL** [355], **UKR**: M [66, 148], **RUS-EUR**: NW [207], NE [207], C [207, 345], S-UR [91, 150, 207], **GEO** [117]

— ***pygmaeum*** (Bruch et al.) Touw (*Cyrto-hypnum pygmaeum* (Bruch et al.) W.R.Buck & H.A.Crum) – **RUS-AS**: S-FE [76, 77, 212]

— ***versicolor*** (Müll.Hal.) Touw (*Thuidium bipinnatulum* Mitt., *Cyrto-hypnum sparsifolium* (Mitt.) W.R.Buck & H.A.Crum) – **RUS-AS**: S-FE [76, 212]

Phascum see *Tortula, Microbryum*

Philonotis Brid. [Bartramiaceae]

— ***arnellii*** Husn. (*P. capillaris* Lindb.) – **LAT** [3], **UKR**: C [66], **RUS-EUR**: ARC [47, 150, 415], NW [251, 407], NE [415], N-UR [150], **RUS-AS**: YAK [239], ARC-FE [40]

— ***caespitosa*** Jur. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 273, 364, 407], NE [207, 212, 415], KLN [309], C [207], N-UR [90, 150], S-UR [152, 207], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23], **TAD** [296], **KYR** [294, 296, 351], **RUS-AS**: ARC-ESIB [47], S-SIB [212, 336], E-SIB [212, 386], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140]

— ***calcarea*** (Bruch et al.) Schimp. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: NW [207, 364, 407], NE [207, 415], KLN [309], C [207], N-UR [150], S-UR [212, 422], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 157, 296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [267, 296], **UZB** [267], **RUS-AS**: S-SIB [197, 212]
— ***falcata*** (Hook.) Mitt. – **KYR** [253], **RUS-AS**: S-SIB [426]— {135}
— ***fontana*** (Hedw.) Brid. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [26, 296], **KYR** [296], **UZB** [267], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]
— ***marchica*** (Hedw.) Brid. – **LTV** [244], **LAT** [3], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NE [415], KLN [309], C [207, 212], CAUC [231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356, 393], **UZB** [347], **TAD** [294, 296], **KYR** [296, 349, 351], **RUS-AS**: S-FE [268]
— *mollis* (Dozy & Molk.) Mitt. – excluded — {135}
— ***rigida*** Brid. – **GEO** [14, 117]
— ***seriata*** Mitt. – **LAT** [3], **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [212, 273, 364, 407], NE [415], N-UR [150, 207], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157, 296, 356], **UZB** [347], **TAD** [294, 296], **KYR** [296], **RUS-AS**: S-SIB [70, 212], E-SIB [212, 275] — {136}
— ***tomentella*** Molendo (*P. fontana* var. *pumila* (Turner) Brid.) – **LAT** [3], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], NE [212, 415], N-UR [150], S-UR [150], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [157], **UZB** [347], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [147, 212], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140]
— ***yezoana*** Besch. & Cardot – **RUS-AS**: N-FE [129, 140], S-FE [67, 114] — {136}

Physcomitrella Bruch et al. [Funariaceae]
— ***patens*** (Hedw.) Bruch et al. (*Aphanorrhegma patens* (Hedw.) Lindb., *Physcomitrium patens* (Hedw.) Mitt.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: NW [207, 262], NE [207], C [207, 212, 345], S-UR [91, 150, 207, 212], SE [207], CAUC [232], **RUS-AS**: W-SIB [265], S-SIB [197], E-SIB [275], YAK [239]

Physcomitrium (Brid.) Brid. [Funariaceae]
— ***arenicola*** Laz. – **UKR**: M [66], **RUS-EUR**: C [207, 345], SE [207], CAUC [226]
— ***eurystomum*** Sendtn. – **LTV** [244], **EST** [237], **BEL** [355], **UKR**: M [66], **RUS-EUR**: NW [262], ?S-UR [150], **AZE** [277], **KAZ** [156, 157], **UZB** [347], **KYR** [296, 351], **RUS-AS**: W-SIB [265], S-SIB [69], E-SIB [275], S-FE [76, 212]
— ***eurystomum*** subsp. ***acuminatum*** (Bruch et al.) Giacom. (*P. acuminatum* Bruch et al.) – **UKR**: C [66], M [66], **RUS-EUR**: CAUC [18, 55], **GEO** [117], **AZE** [277], **RUS-AS**: S-FE [76]
— ***pyriforme*** (Hedw.) Hampe – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: NW [207, 283], KLN [309], C [207, 212], S-UR [150, 207], SE [207], CAUC [231], **GEO** [117], **ARM** [297], **AZE** [277], **UZB** [347], **TAD** [296], **KYR** [296], **RUS-AS**: S-SIB [69, 70]
— ***sphaericum*** (C.F.Ludw. ex Schkuhr) Brid. – **BEL** [355], **UKR**: M [66], **RUS-EUR**: NW [407, 262], C [207, 212], **GEO** [117], **AZE** [277], **KYR** [296], **RUS-AS**: W-SIB [265], S-SIB [70], S-FE [275]

Plagiobryum Lindb. [Bryaceae], see also *Bryum* — {23}
— ***demissum*** (Hook.) Lindb. (*Bryum demissum* Hook.) – **RUS-EUR**: NW [364], CAUC [55], **GEO** [13, 117], **KAZ** [157], **RUS-AS**: ARC-ESIB [212], S-SIB [69, 70, 197], ARC-YAK [47, 239], ARC-FE [40, 212], N-FE [40]
— ***hultenii*** (Ochi & Perss.) Hedd. (*P. demissum* subsp. *hultenii* Ochi & Perss.)- **RUS-AS**: S-FE [77]
— ***japonicum*** Nog. – **RUS-AS**: S-FE [212, 221]
— ***zierii*** (Hedw.) Lindb. (*Bryum zieri* Hedw.) – **UKR**: C [66], **RUS-EUR**: ARC [47], NW [364, 407],

CAUC [55, 212, 231], **GEO** [117], **KAZ** [156, 157],**TAD** [296], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 212]

Plagiomnium T.J.Kop. [Mniaceae]

— ***acutum*** (Lindb.) T.J.Kop. – **RUS-AS**: S-SIB [69, 70], YAK [239], N-FE [140], S-FE [76, 77, 109, 212]

— ***affine*** (Blandow ex Funck) T.J.Kop. – **LTV** [244], **LAT** [3, 252], **EST** [237, 252], **BEL** [355], **UKR**: C [66, 252], M [66, 252], K [66, 252, 328], **MLD** [252, 367], **RUS-EUR**: ARC [47, 150, 415], NW [207, 252, 407], NE [207, 212, 415], KLN [309], C [207, 212, 252], N-UR [150, 207, 415], S-UR [150, 207, 212, 252], SE [207], CAUC [55, 208, 212, 231, 248, 252], **GEO** [117, 252], **ARM** [297], **AZE** [252, 277], **KAZ** [156, 159, 296, 356], **KYR** [296] — {137}

— ***confertidens*** (Lindb. & Arnell) T.J.Kop. – **RUS-EUR**: ARC [150], NW [47], NE [212, 415], C [211], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], **KAZ** [296, 356], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], YAK [239], S-FE [76, 114, 212, 221]

— ***curvatulum*** (Lindb.) Schljakov (*P. medium* subsp. *curvatulum* (Lindb.) T.J.Kop.) – **RUS-EUR**: ARC [47, 127, 150], NW [85, 212, 291, 364], NE [366a], N-UR [150, 212, 417], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [252], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [239, 252], ARC-FE [40, 212], N-FE [94, 140], S-FE [252]

— ***cuspidatum*** (Hedw.) T.J.Kop. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **KYR** [296], **RUS-AS**: ARC-WSIB [?47]; ARC-ESIB [?47]; W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***drummondii*** (Bruch & Schimp.) T.J.Kop. – **LAT** [3], **RUS-EUR**: NW [207, 212, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207], S-UR [150, 207], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], YAK [239], N-FE [140], S-FE [76, 114, 212, 221]

— ***elatum*** (Bruch et al.) T.J.Kop. – **LTV** [244], **LAT** [3, 252], **EST** [237, 252], **BEL** [252, 355], **UKR**: C [66], M [66], K [328], **RUS-EUR**: ARC [47, 150], NW [207, 212, 252, 364, 407], NE [207, 212, 252, 415], KLN [309], C [207, 212, 252], N-UR [150], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296] — {137}

— ***ellipticum*** (Brid.) T.J.Kop. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***japonicum*** (Lindb.) T.J.Kop. – **RUS-AS**: S-FE [37, 75, 212]

— ***maximowiczii*** (Lindb.) T.J.Kop. – **RUS-AS**: E-SIB [212, 247], S-FE [76, 212, 221]

— ***medium*** (Bruch et al.) T.J.Kop. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 160, 296], **UZB** [347], **TAD** [296], **KYR** [296, 351], **RUS-AS**: ARC-ESIB [212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***rostratum*** (Schrad.) T.J.Kop. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 160], **TAD** [296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 247], ARC-YAK [47, 239], YAK [239], N-FE [140], S-FE [76, 109, 212] — {138}

— ***undulatum*** (Hedw.) T.J.Kop. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K

[66, 328], **MLD** [367], **RUS-EUR**: NW [207], KLN [309], C [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277] — {139}

— ***vesicatum*** (Besch.) T.J.Kop. – **RUS-AS**: E-SIB [212, 247], S-FE [76, 77, 212]

Plagiopus Brid. [Bartramiaceae]

— ***oederianus*** (Sw.) H.A.Crum & L.E.Anderson (*P. oederi* (Brid.) Limpr.) – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [212, 364, 407], NE [207, 212, 415], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156], **TAD** [296], **KYR** [296, 349, 351], **RUS-AS**: ARC-ESIB [164], W-SIB [338], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140], S-FE [76, 77, 212]

Plagiothecium Bruch et al. [Plagiotheciaceae]

— ***berggrenianum*** Frisvoll – **RUS-EUR**: ARC [47, 42], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [39, 164, 212], E-SIB [163], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [40] — {140}

— ***cavifolium*** (Brid.) Z.Iwats. (*P. roeseanum* Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [147, 212], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ?*cordifolium* Laz. – **RUS-AS**: S-FE [268, 76] — {141}

— ***curvifolium*** Schlieph. ex Limpr. (*P. laetum* var. *curvifolium* (Limpr.) Mastracci & M.Sauer) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [328], **RUS-EUR**: NW [207, 364, 407], NE [212, 415], C [207, 212, 345], N-UR [415], S-UR [91], **RUS-AS**: S-FE [76, 77, 212] — {142}

— ***denticulatum*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **TAD** [296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212]

— ***denticulatum*** var. ***obtusifolium*** (Turner) Moore – **UKR** [66], **RUS-EUR**: NW [364]

— ***denticulatum*** var. ***undulatum*** R.Ruthe ex Geh. (*P. denticulatum* var. *ruthei* (Limpr.) Riehm., *P. ruthei* Limpr.) – **LTV** [244], **LAT** [3], **EST** [237], **UKR** [66], **RUS-EUR**: NE [415], C [345], KLN [309], C [207, 212]

— ***euryphyllum*** (Cardot & Thér.) Z.Iwats. – **RUS-AS**: N-FE [140], S-FE [114]

— ***laetum*** Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [156, 159, 296, 356], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212]

— ***latebricola*** Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66, 405], **RUS-EUR**: NW [207, 212, 407], NE [90, 207, 212], KLN [309], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], **GEO** [117], **KYR** [296], **RUS-AS**: W-SIB [265], S-SIB [200, 212], N-FE [140], S-FE [76, 77, 109, 212]

— ***neckeroideum*** Bruch et al. – **UKR**: C [66], **RUS-AS**: S-SIB [70] — {143}

— ***nemorale*** (Mitt.) A.Jaeger – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **RUS-EUR**: ?ARC [150], NW [212, 291, 292], NE [212, 415], KLN [309], C [207, 212, 345], N-UR [150], S-UR [150], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: N-FE [140], S-FE [76, 77, 109, 212]

— ***obtusissimum*** Broth. – **RUS-AS**: S-FE [76, 77, 109, 212]

— ***piliferum*** (Sw.) Bruch et al. – **UKR**: C [66], **RUS-EUR**: ARC [150], NW [207, 212, 364, 407], N-UR [150, 415], **RUS-AS**: S-SIB [69], E-SIB [69], YAK [389], S-FE [76, 109] — {144}
— ?*platycladum* (Cardot) Broth. – **RUS-AS**: S-FE [268] — {141}
— ***platyphyllum*** Mönk. – **UKR**: M [400], **GEO** [117], **RUS-EUR**: NW [407], ?**RUS-AS**: N-FE [140]
— ?*succulentum* (Wilson) Lindb. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: NW [62, 364], NE [212, 415], C [207, 212], N-UR [212, 415]; S-UR [207, 212], **GEO** [117], **RUS-AS**: S-SIB [69, 70], E-SIB [212, 247], S-FE [76, 212] — {145}
— ***svalbardense*** Frisvoll – **RUS-AS**: ARC-FE [40]
— ***undulatum*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: KLN [309], **AZE** [277], **RUS-AS**: ARC-FE [40]

Plasteurhynchium M.Fleisch. ex Broth. [Brachytheciaceae]
— ***meridionale*** (Bruch et al.) M.Fleisch. (*Eurhynchium meridionale* (Bruch et al.) De Not.) – **UKR**: M, K [328], **GEO** [117]
— ***striatulum*** (Spruce) M.Fleisch. (*Eurhynchium striatulum* (Spruce) Bruch et al., *Isothecium filescens* (Brid.) Mönk.) – **UKR**: C [66], M [402], K [66, 328], **RUS-EUR**: NW [407], CAUC [208, 212, 248]

Platydictya Berk. [Plagiotheciaceae], see also *Bardunovia, Serpoleskea subtilis, S. confervoides*
— ***jungermannioides*** (Brid.) H.A.Crum (*Amblystegium jungermannioides* (Brid.) A.J.E.Sm.) – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [212, 364, 407], NE [207, 212, 415], C [207], N-UR [150, 207, 212], S-UR [150, 212], SE [207, 212], CAUC [55, 102, 212, 231], **GEO** [117], **KAZ** [393], **TAD** [296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [69, 70, 212, 275], E-SIB [74, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140], S-FE [76, 77, 212]

Platygyrium Bruch et al. [Pylaisiadelphaceae]
— ***repens*** (Brid.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: ARC [47, 150, 415], NW [207, 212, 407], NE [207], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], SE [207, 212], CAUC [208, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [74, 212], YAK [212, 239], N-FE [140], S-FE [76, 109, 212]

Platyhypnidium see *Rhynchostegium*

Pleuridium Rabenh. [Ditrichaceae], see also *Cleistocarpidium palustre*
— ***acuminatum*** Lindb. – **BEL** [355], **UKR**: C [66], M [66], K [66, 328] — {146}
— ***subulatum*** (Hedw.) Rabenh. (*P. alternifolium* auct. non (Dicks. ex Hedw.) Rabenh.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66]), **MLD** [367], **RUS-EUR**: NW [207, 407], NE [207], KLN [309], C [207, 212, 345], S-UR [150, 207], SE [207], CAUC [232], **GEO** [117], **AZE** [277], **RUS-AS**: W-SIB [339], N-FE [140], S-FE [268]

Pleurochaete Lindb. [Pottiaceae]
— ***squarrosa*** (Brid.) Lindb. – **UKR**: K [66, 328], **RUS-EUR**: CAUC [232, 6], **GEO** [117], **ARM** [297], **AZE** [277], **TAD** [295], **TUR** [267], **KYR** [296]

Pleuroweisia see *Molendoa*

Pleuroziopsis Kindb. ex E.Britton [Climaciaceae]
— ***ruthenica*** (Weinm.) Kindb. ex E.Britton – **RUS-AS**: N-FE [140], S-FE [76, 77, 109, 212]

Pleurozium Mitt. [Hylocomiaceae]
— ***schreberi*** (Brid.) Mitt. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **TAD** [26, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

Podperaea Z.Iwats. & Glime [*Amblystegiaceae]
— ***krylovii*** (Podp.) Z.Iwats. & Glime – **RUS-AS**: S-SIB [69, 197, 212], S-FE [76, 110, 212, 221]

Pogonatum P.Beauv. [Polytrichaceae], see also *Polytrichastrum alpinum*

— ***aloides*** (Hedw.) P.Beauv. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **RUS-EUR**: KLN [309], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277]
— ***contortum*** (Brid.) Lesq. (*P. laterale* (Brid). Brid.) – **RUS-AS**: N-FE [140], S-FE [76, 77, 109, 212]
— ***dentatum*** (Brid.) Brid. (*P. capillare* (Michx.) Brid.) – **LAT** [3], **EST** [237], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207], N-UR [150, 207, 212], S-UR [150, 207], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [69, 212, 219], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212] — {147}
— ***inflexum*** (Lindb.) Sande Lac. – **RUS-AS**: S-FE [76, 77] — {148}
— ***japonicum*** Sull. & Lesq. – **RUS-AS**: N-FE [140], S-FE [76, 77, 109, 212]
— ***nanum*** (Hedw.) P.Beauv. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66, 256], M [66], K [66, 328], **RUS-EUR**: NW [207, 262], KLN [309], C [207], **GEO** [117]
— ***neesii*** (Müll.Hal.) Dozy – **RUS-EUR**: CAUC [55, 56], **GEO** [56]
— ***spinulosum*** Mitt. – **RUS-AS**: S-FE [76, 77, 212]
— ***urnigerum*** (Hedw.) P.Beauv. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212, 219], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

Pohlia Hedw. [Mielichhoferiaceae]

— ***alba*** Lindb. & Arnell – **RUS-AS**: W-SIB [?265], E-SIB [275]
— ***andalusica*** (Höhn.) Broth. – **LAT** [132], **UKR**: M [66, 132], **RUS-EUR**: NW [100, 132, 207, 212, 291], NE [132, 207, 212], C [132, 207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], CAUC [231, 248], **RUS-AS**: ARC-WSIB [?47], W-SIB [132, 212], S-SIB [132], ARC-FE [40, 132], N-FE [94, 132, 140]
— ***andrewsii*** A.J.Shaw – **RUS-EUR**: ARC [47, 127, 150], NW [132], NE [132, 207, 212, 416], N-UR [90, 150, 207, 212], S-UR [132, 207, 212, 150], CAUC [212, 248], **RUS-AS**: ARC-WSIB [132, 136], ARC-ESIB [132, 164, 212,], S-SIB [132, 212], E-SIB [132], ARC-YAK [47, 132, 239], YAK [132, 239], ARC-FE [40, 212, 132], N-FE [132, 140], S-FE [212, 221]
— ***annotina*** (Hedw.) Lindb. – **LTV** [244], **BEL** [355], **UKR**: M [66], **RUS-EUR**: ARC [150], NW [207, 273, 364], NE [132, 207, 212, 415], KLN [309], C [132, 207, 212], N-UR [150], S-UR [150, 207, 212], **ARM** [297], **RUS-AS**: S-SIB [132, 212], E-SIB [212, 247], ARC-YAK [239], YAK [239], N-FE [94, 132, 140]
— ***atropurpurea*** (Wahlenb.) H.Lindb. – **BEL** [355], **RUS-EUR**: ARC [47], NW [207, 364], NE [207], **RUS-AS**: ARC-WSIB [136], S-SIB [197, 212], E-SIB [126, 212]
— ***beringiensis*** A.J.Shaw – **RUS-EUR**: ARC [42], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [39, 47, 132], S-SIB [132], E-SIB [132], ARC-FE [40, 132, 212], N-FE [40, 132]
— ***brevinervis*** Lindb. & Arnell – **RUS-AS**: E-SIB [275]
— ***bulbifera*** (Warnst.) Warnst. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: M [66], **RUS-EUR**: ARC [47, 127, 150], NW [132, 207, 212, 364, 407], NE [132, 207, 212], C [132, 207, 212], N-UR [90, 207], S-UR [150, 207, 212], **RUS-AS**: ARC-WSIB [132, 136], W-SIB [132, 212, 265], S-SIB [132, 212], E-SIB [132, 212], ARC-YAK [47, 212, 239], YAK [132, 212, 239], ARC-FE [40, 132, 212], N-FE [132, 140], S-FE [132]
— ***camptotrachela*** (Renauld & Cardot) Broth. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [401], M [132], **RUS-EUR**: NW [132, 207, 212, 407], C [132, 207, 212]
— ***cardotii*** (Renauld & Cardot) Broth. – **RUS-AS**: N-FE [130, 140]
— ***cruda*** (Hedw.) Lindb. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248],

GEO [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [296, 351], **UZB** [267], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 114, 212]

— ***crudoides*** (Sull. & Lesq.) Broth. – **RUS-EUR**: ARC [47, 127, 150, 415], NW [87, 364], N-UR [207], S-UR [150, 207, 212], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]

— ***drummondii*** (Müll.Hal.) A.L.Andrews – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 132, 150], NW [132, 212, 273, 364, 283], NE [366a, 417a], N-UR [150, 207, 212, 415], CAUC [132, 231], **GEO** [117], **RUS-AS**: ARC-WSIB [132, 136], ARC-ESIB [132, 164, 212,], W-SIB [132, 212], S-SIB [69, 70, 132, 212], E-SIB [126, 212], ARC-YAK [47, 132, 239], YAK [212, 239], ARC-FE [40, 132, 212], N-FE [94, 132, 140], S-FE [132, 212, 221]

— ***elongata*** Hedw. – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], C [207, 345], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [296, 356], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-ESIB [?47]; S-SIB [69, 70, 212], E-SIB [74, 212, 247], ARC-YAK [239], YAK [239], ARC-FE [40], S-FE [76, 212, 221]

— ***elongata*** var. ***greenii*** (Brid.) A.J.Shaw (*P. ambigua* (Limpr.) Broth., *P. minor* auct.) – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [364], NE [414], N-UR [150, 414], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], S-SIB [69, 70, 212], E-SIB [69], ARC-FE [40], S-FE [76, 212, 221]

— ***filum*** (Schimp.) Mårtensson – **LTV** [244], **LAT** [3], **BEL** [355], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 132, 150, 364], NW [132, 207, 273, 286, 364], NE [207, 212, 415], ?C [132], N-UR [150, 212, 415], CAUC [132, 212, 231, 248], **GEO** [117, **ARM** [297], ?**TAD** [296], **RUS-AS**: ARC-WSIB [132, 136], ARC-ESIB [132], W-SIB [132, 212], S-SIB [70, 212], E-SIB [132, 212], ARC-YAK [47, 239], YAK [132, 239], ARC-FE [40, 132, 212], N-FE [94, 132, 140]

— ***lescuriana*** (Sull.) Ochi (*P. pulchella* (Hedw.) Lindb.) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150, 415], NW [207, 212, 364, 407], NE [415], KLN [309], C [207, 212], N-UR [90, 150, 207, 415], **RUS-AS**: ARC-ESIB [275], W-SIB [265], E-SIB [275], ARC-YAK [47, ?239], YAK [?239], ARC-FE [40], N-FE [40]

— ***leucostoma*** (Bosch & Sande Lac.) M.Fleisch. (*P. gracillima* (Cardot) Horik. & Ochi) -?**RUS-AS**: E-SIB [212, 247] — {149}

— ***longicollis*** (Hedw.) Lindb. – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [364], NE [212, 415], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [156, 159, 356], **KYR** [296], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 247], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 212, 221]

— ***ludwigii*** (Spreng. ex Schwägr.) Broth. – **UKR**: C [66, 413], **RUS-EUR**: ARC [47], NW [87, 364], N-UR [150, 207, 415], S-UR [150], CAUC [212, 231], **GEO** [117]

— ***melanodon*** (Brid.) A.J.Shaw (*Mniobryum delicatulum* (Hedw.) Dixon) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207], NE [207, 415], KLN [309], C [207, 212], N-UR [207], S-UR [150, 207], SE [207], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [296], **UZB** [347], **TAD** [296], **KYR** [296], **RUS-AS**: W-SIB [265], S-SIB [70, 212], S-FE [77, 109]

— ***nutans*** (Hedw.) Lindb. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212]

— ***nutans*** subsp. ***schimperi*** (Müll.Hal.) Nyholm – **RUS-EUR**: ARC [47, 127], NW [364], **RUS-AS**: ARC-ESIB [50], ARC-FE [40]

— ***obtusifolia*** (Vill. ex Brid.) L.F.Koch – **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [87, 212, 364, 407], NE [415], N-UR [150, 415], CAUC [212, 231, 248], **GEO** [117], **RUS-AS**: ARC-ESIB [?47], S-SIB [70, 212], ARC-YAK [47], ARC-FE [40]
— ***proligera*** (Kindb.) Lindb. ex Broth. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **RUS-EUR**: ARC [127, 132, 150], NW [132, 207, 212, 364, 407], NE [132, 207, 212, 415], C [132, 207, 212], N-UR [132, 150, 207, 212], S-UR [132, 150, 207], CAUC [55, 212, 231, 248], **GEO** [117], **RUS-AS**: ARC-WSIB [132, 136], ARC-ESIB [132, 164, 212], W-SIB [132, 212, 265], S-SIB [132, 212], E-SIB [132, 212], ARC-YAK [132, 212, 239], YAK [132, 239], ARC-FE [40, 132, 212], N-FE [94, 132, 140], S-FE [114, 132, 212, 221]
— ***saprophila*** (Müll.Hal.) Broth. – **RUS-EUR**: ?NE [415], **KAZ** [157, 296, 356], **KYR** [296]
— ***sphagnicola*** (Bruch et al.) Broth. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **RUS-EUR**: ARC [47, 127, 150], NE [415], KLN [309], N-UR [150, 415], S-UR [150], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [?47, 275], W-SIB [212, 265], S-SIB [212, 336], E-SIB [126, 212], ARC-FE [40], S-FE [109, 212]
— ***torrentium*** (I.Hagen) Broth. – **RUS-EUR**: NW [364], **RUS-AS**: ARC-FE [40], N-FE [140] — {150}
— ***tundrae*** A.J.Shaw – **RUS-AS**: ARC-WSIB [144], N-FE [140, 144]
— ***vexans*** (Limpr.) H.Lindb. – **RUS-EUR**: NE [207], **RUS-AS**: S-SIB [197, 212], ARC-FE [40]
— ***viridis*** Lindb. & Arnell – **RUS-AS**: E-SIB [275]
— ***wahlenbergii*** (F.Weber & D.Mohr) A.L.Andrews (*Mniobryum wahlenbergii* (F.Weber & D.Mohr) Jenn., *M. wahlenbergii* var. *glacialis* (Brid.) Wijk & Margad., *Pohlia wahlenbergii* var. *glacialis* (Brid.) E.F.Warb.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [296], **UZB** [267], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212, 263], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, ?239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]

Polytrichastrum G.L.Sm. [Polytrichaceae]

— ***alpinum*** (Hedw.) G.L.Sm. (*Polytrichum alpinum* Hedw.) – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], NE [207, 212, 415], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [295], **KYR** [351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [147, 212], S-SIB [69, 70, 212, 219], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]
— ***alpinum*** var. ***fragile*** (Bryhn) D.G.Long – **RUS-EUR**: ARC [47, 150, 414], NW [291, 364], NE [414], **KAZ** [159, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], E-SIB [126, 212, 386], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [40, 94]
— ***alpinum*** var. ***septentrionale*** (Sw.) G.L.Sm. (*P. norwegicum* (Hedw.) Schljakov) – **RUS-EUR**: ARC [47, 150], NW [273, 364], NE [414], N-UR [150], S-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [?47], S-SIB [70, 219, 324], ARC-YAK [47], YAK [239], ARC-FE [40], N-FE [94, 140]
— ***altaicum*** Ignatov & G.L.Sm. – **RUS-AS**: S-SIB [219]
— ***formosum*** (Hedw.) G.L.Sm. (*Polytrichum formosum* Hedw.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 212], KLN [309], C [207, 212], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KYR** [351], **RUS-AS**: W-SIB [265], S-SIB [70, 212, 219], E-SIB [212, 247], YAK [239], ARC-FE [40], N-FE [140], S-FE [212, 77, 109]
— ***longisetum*** (Sw. ex Brid.) G.L.Sm. (*Polytrichum longisetum* Sw. ex Brid., *P. longisetum* var. *anomalum* (Milde) Ignatov & G.L.Sm.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [?47], W-

SIB [212, 265], S-SIB [69, 70, 212, 219], E-SIB [74, 212, 247], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***pallidisetum*** (Funck) G.L.Sm. (*Polytrichum formosum* var. *decipiens* (Limpr.) Loeske, *Polytrichum pallidisetum* Funck, *Polytrichum ochioense* auct. non Renauld & Cardot) – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: NW [207, 212, 262, 407], NE [207, 212], KLN [309], C [207, 212], N-UR [150, 207, 212, 415], S-UR [150, 207, 212], **GEO** [117], **RUS-AS**: S-SIB [70, 212, 219], E-SIB [212, 247], YAK [?239], S-FE [76, 77, 109, 212]

— ***sexangulare*** (Flörke ex Brid.) G.L.Sm. (*Polytrichum sexangulare* Flörke ex Brid.) – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [87, 273, 364], N-UR [150, 207, 212], S-UR [150], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **RUS-AS**: ARC-ESIB [212, 263], S-SIB [69, 70, 212, 219], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]

— ***sphaerothecium*** (Besch.) J.-P.Frahm (*Polytrichum sphaerothecium* (Besch.) Müll.Hal.) – **RUS-AS**: ARC-FE [43], N-FE [140], S-FE [77, 110, 415]

Polytrichum Hedw. [Polytrichaceae], see also *Polytrichastrum*

— ***commune*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [295], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [?47], W-SIB [212, 265], S-SIB [69, 70, 212, 219], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212] — {151}

— ***hyperboreum*** R.Br. – **RUS-EUR**: ARC [47, 127, 150], NW [87, 212, 262, 364, 407], NE [415], N-UR [150, 212, 415], S-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [212, 386], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140]

— ***jensenii*** I.Hagen – **RUS-EUR**: ARC [47, 127, 150], NW [212, 262, 364, 407], NE [414], N-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [77, 212]

— ***juniperinum*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **UZB** [267], **TAD** [295], **KYR** [296, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212, 219], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***piliferum*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **UZB** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212, 219], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 109, 212]

— ***strictum*** Brid. (*P. affine* Funck, *P. alpestre* Hoppe) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **AZE** [277], **KAZ** [296, 356], **TAD** [295], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212, 219], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***swartzii*** Hartm. (*P. commune* var. *swartzii* (Hartm.) Nyholm) – **LAT** [1], **BEL** [355], **RUS-EUR**: ARC [47, 150], NW [207, 212, 262, 364, 407], NE [53, 101, 207], C [207, 212, 345], N-UR [150], S-UR [150], CAUC [248], **RUS-AS**: ARC-ESIB [212, 263], W-SIB [265], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [40, 140], S-FE [109, 212]

Pottia see *Tortula, Microbryum, Hennediella heimii*

Pseudephemerum (Lindb.) I.Hagen [Ditrichaceae]

— ***nitidum*** (Hedw.) Loeske – **LTV** [244], **LAT** [5], **EST** [237], **BEL** [355], **UKR**: C [66], M [66]), **RUS-EUR**: NW [207, 407], KLN [309], C [207, 212, 345], **RUS-AS**: W-SIB [146], S-SIB [336]

Pseudobryum (Kindb.) T.J.Kop. [Mniaceae]

— ***cinclidioides*** (Huebener) T.J.Kop. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [231, 248], **GEO** [117], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [77, 109, 212]

Pseudocalliergon (Limpr.) Loeske [Amblystegiaceae]

— ***angustifolium*** Hedenäs – **RUS-EUR**: NW [391], **RUS-AS**: YAK [239], N-FE [40]

— ***brevifolium*** (Lindb.) Hedenäs (*Drepanocladus brevifolius* (Lindb.) Warnst., *D. latifolius* (Lindb. & Arnell) Warnst.) – **RUS-EUR**: ARC [47, 150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40]

— ***lycopodioides*** (Brid.) Hedenäs (*Drepanocladus lycopodioides* (Brid.) Warnst.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [364, 407], NE [101], KLN [309], C [207], N-UR [150, 415], CAUC [55, 212], **GEO** [117], **RUS-AS**: W-SIB [338]

— ***trifarium*** (F.Weber & D.Mohr) Loeske (*Calliergon trifarium* (F.Weber & D.Mohr) Kindb.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: M [66], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207], N-UR [90], S-UR [151], **ARM** [297], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [163], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40, 94, 275]

— ***turgescens*** (T.Jensen) Loeske (*Scorpidium turgescens* (T.Jensen) Loeske) – **LAT** [4], **EST** [237], **RUS-EUR**: ARC [47, 150], NW [85, 212], KLN [309], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [69, 70, 197], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40, 140]

Pseudocrossidium R.S.Williams [Pottiaceae]

— ***hornschuchianum*** (Schultz) R.H.Zander (*Barbula hornschuchiana* Schultz) – **LTV** [244], **EST** [237], **UKR**: C [66], M [66], K [328], **MLD** [367], **RUS-EUR**: KLN [309], SE [165, 207, 212], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [296], **TAD** [294, 295], **KYR** [296] — {152}

— ***obtusulum*** (Lindb.) H.A.Crum & L.E.Anderson – **RUS-EUR**: S-UR [165], SE [165, 366], **RUS-AS**: E-SIB [165], YAK [165]

— ***revolutum*** (Brid.) R.H.Zander (*Barbula revoluta* Brid.) – **EST** [397], **UKR**: M [66], K [66, 328], **MLD** [367], **GEO** [117], **TUR** [296], **TAD** [294, 295] — {152}

Pseudohygrohypnum Kanda [Pylaisiaceae]

— ***eugyrium*** (Bruch et al.) Kanda (*Hygrohypnum eugyrium* (Bruch et al.) Broth.) – **RUS-AS**: S-FE [138, 76]

— ***subeugyrium*** (Renauld & Cardot) Ignatov & Ignatova (*Hygrohypnum subeugyrium* (Renauld & Cardot) Broth.) – **RUS-EUR**: S-UR [138], **RUS-AS**: ARC-ESIB [164], S-SIB [138], E-SIB [138], YAK [138, 239], N-FE [138], S-FE [138, 221]

Pseudoleskea see *Lescuraea*

Pseudoleskeella Kindb. [Pseudoleskeellaceae]

— ***catenulata*** (Brid. ex Schrad.) Kindb. – **LTV** [244], **LAT** [5], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [364], C [207, 212, 345], N-UR [150, 207, 415], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [156, 296, 356], **TAD** [294, 296], **KYR** [296, 267, 349, 351], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [212, 247], ARC-YAK [47], YAK [212, 239], ARC-FE [40, 212], N-FE [40], S-FE [76, 109, 212]

— ***nervosa*** (Brid.) Nyholm (*Leskeella nervosa* (Brid.) Loeske, *L incrassata* (Lindb. ex Broth.) Broth.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM**

[297], **AZE** [277], **KAZ** [156, 296, 356], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212] — {153}

— ***papillosa*** (Lindb.) Kindb. (*Heterocladium papillosum* (Lindb.) Lindb.) – **RUS-EUR**: NW [85, 212, 364, 407], N-UR [150, 207, 212], S-UR [150, 207], **KYR** [267, 296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 212], E-SIB [70, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [212, 221]

— ***rupestris*** (Berggr.) Hedenäs & L.Söderstr. (*P. nervosa* var. *rupestris* (Berggr.) Nyholm, *P. sibirica* (Arnell) P.S.Wilson & D.H.Norris) – **UKR** [66], **RUS-EUR**: N-UR [432], S-UR [207], **KAZ** [156], **KYR** [351], **RUS-AS**: ARC-ESIB [164], S-SIB [70, 212], E-SIB [275, 388], ARC-YAK [47, 239], YAK [239]

— ***tectorum*** (Funck ex Brid.) Kindb. ex Broth. – **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [150, 415], NW [212, 273, 364, 407], C [207, 212], N-UR [150, 415], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 156, 296, 356], **TUR** [296], **TAD** [294, 296], **KYR** [267, 296, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [69, 70, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 212, 221, 268]

Pseudoleskeopsis Broth. [Leskeaceae]

— ***zippelii*** (Dozy & Molk.) Broth. – **RUS-AS**: S-FE [268]

Pseudoscleropodium (Limpr.) M.Fleisch. [Brachytheciaceae]

— ***purum*** (Hedw.) M.Fleisch. ex Broth. (*Scleropodium purum* (Hedw.) Limpr.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ?ARC [415], NW [207], KLN [309], C [207, 212], SE [207], CAUC [208, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], ?**KAZ** [296]

Pseudotaxiphyllum Z.Iwats. [*Plagiotheciaceae]

— ***elegans*** (Brid.) Z.Iwats. (*Isopterygium elegans* (Brid.) Lindb.) – **UKR**: C [66], M [66], **RUS-EUR**: NW [407], CAUC [55, 212], **GEO** [117], **RUS-AS**: ARC-FE [40, 212], N-FE [94, 140], S-FE [111, 212]

Psilopilum Brid. [Polytrichaceae]

— ***cavifolium*** (Wilson) I.Hagen – **RUS-EUR**: ARC [47, 150, 415], NW [364], NE [415], N-UR [150, 415], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], E-SIB [163], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94]

— ***laevigatum*** (Wahlenb.) Lindb. – **RUS-EUR**: ARC [47, 127, 150, 415], NW [364], N-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], E-SIB [74, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40], N-FE [140] — {154}

Pterigynandrum Hedw. [Pterigynandraceae]

— ***filiforme*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], KLN [309], C [207, 212, 345], N-UR [90, 150, 207, 212, 415], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **KYR** [296], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [68, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 212]

Pterogonium Sw. [Pterogoniaceae]

— ***gracile*** (Hedw.) Sm. – **EST** [237], **UKR**: K [66, 328], **ARM** [297], **AZE** [277]

Pterygoneurum Jur. [Pottiaceae]

— ***kozlovii*** Laz. – **UKR**: M [66], **MLD** [367], **RUS-EUR**: SE [207], **KAZ** [337], **RUS-AS**: W-SIB [337], YAK [239, 337] — {155}

— ***lamellatum*** (Lindb.) Jur. – **UKR**: M [66], **RUS-EUR**: SE [207, 212, 377], **GEO** [102, 117], **AZE** [277], **TUR** [267, 296], **UZB** [267, 295], **TAD** [295], **RUS-AS**: ARC-ESIB [47], E-SIB [163], ARC-FE [40] — {156}

— ***ovatum*** (Hedw.) Dixon – **LTV** [244], **LAT** [3], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207], C [207, 212, 345], S-UR [150, 207], SE [207, 212], CAUC [232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157, 296, 349], **TUR** [11, 295, 296], **UZB** [267, 295, 296], **TAD** [294, 295], **KYR** [296, 351], **RUS-AS**: ARC-ESIB [39, 50], W-SIB [337], S-SIB [197], E-SIB [162], YAK [239], ARC-FE [40, 212]

— ***subsessile*** (Brid.) Jur. – **LTV** [244], **UKR**: C [66], M [66], K [328], **MLD** [367], **RUS-EUR**: KLN [309], C [207, 345], S-UR [150, 207], SE [207, 212], CAUC [421], **GEO** [117], **AZE** [277], **KAZ** [296], **TUR** [295, 296], **UZB** [295], **TAD** [267, 295], **KYR** [296, 349, 351], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [126, 212], YAK [239]

Ptilium De Not. [Pylaisiaceae]

— ***crista-castrensis*** (Hedw.) De Not. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [26], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

Ptychodium see *Lescuraea*

Ptychomitrium Fürnr. [Ptychomitriaceae]

— ***incurvum*** (Schwägr.) Spruce – **GEO** [117]

— ***sinense*** (Mitt.) A.Jaeger – **RUS-AS**: S-SIB [69, 70, 197], S-FE [76, 212]

Pylaisia Bruch et al. [Pylaisiaceae]

— ***brotheri*** Besch. – **RUS-AS**: S-FE [76, 77, 212]

— ***curviramea*** Dixon – **RUS-AS**: S-FE [64] — {157}

— ***obtusa*** Lindb. – **RUS-AS**: S-FE [109]

— ***polyantha*** (Hedw.) Bruch et al. (*Pylaisiella polyantha* (Hedw.) Grout) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 162, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***selwynii*** Kindb. (*Pylaisiella selwynii* (Kindb.) H.A.Crum, Steere & L.E.Anderson) – **RUS-EUR**: NW [207, 407], NE [90, 207, 212, 366a], C [207, 212], S-UR [150, 207, 212], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 247], YAK [239], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***steerei*** (Ando & Higuchi) Ignatov – **RUS-AS**: E-SIB [387], YAK [239]

— ***stereodontoides*** Broth. & M.Yasuda ex Iishiba (*P. intricata* auct. non (Hedw.) Bruch et al.) – **RUS-AS**: S-FE [76, 178, 212] — {158}

— ***subcircinata*** Cardot – **RUS-AS**: N-FE [140], S-FE [76, 77, 109, 212]

Pylaisiadelpha Cardot [Pylaisiadelphaceae]

— ***tenuirostris*** (Bruch & Schimp. ex Sull.) W.R.Buck – **RUS-AS**: S-SIB [69], E-SIB [212, 247], S-FE [76, 114, 212, 221] — {159}

Pylaisiella see *Pylaisia*

Pyramidula Brid. [Funariaceae]

— ***tetragona*** (Brid.) Brid. – **UKR**: M [66], **RUS-EUR**: C [207, 345], S-UR [150, 207], **AZE** [277], **RUS-AS**: S-SIB [69]

Racomitrium Brid. [Grimmiaceae], see also *Bucklandiella heterosticha*, etc., *Niphotrichum canescens*, etc., *Codriophorus fascicularis*, etc.

— ***lanuginosum*** (Hedw.) Brid. – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], KLN [309], N-UR [150, 207, 212, 415], S-UR [150], CAUC [212, 248], **AZE** [277], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 202, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

Rauiella Reimers [Thuidiaceae]

— ***fujisana*** (Paris) Reimers – **RUS-AS**: N-FE [140], S-FE [76, 77, 109, 212]

Rhabdoweisia Bruch et al. [Rhabdoweisiaceae]

— ***crispata*** (Dicks. ex With.) Lindb. (*R. kusenevae* Broth.) – **LAT** [3], **UKR**: C [66], **RUS-EUR**: N-UR [150, 207, 212], S-UR [150, 207, 212], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69, 163, 212], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***fugax*** (Hedw.) Bruch et al. – **LAT** [3], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [87, 364, 407], N-UR [150], CAUC [55, 102, 212, 231], **GEO** [18, 117]

Rhizomnium (Broth.) T.J.Kop. [Mniaceae]

— ***andrewsianum*** (Steere) T.J.Kop. – **RUS-EUR**: ARC [47, 127, 150], NW [364], N-UR [150, 370, 415], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 197, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]

— ***gracile*** T.J.Kop. – **RUS-AS**: ARC-FE [40], N-FE [40, 140]

— ***magnifolium*** (Horik.) T.J.Kop. (*R. punctatum* var. *elatum* (Schimp.) T.J.Kop.) – **EST** [396], **UKR**: C [401], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], **GEO** [117], **RUS-AS**: S-SIB [70, 212], E-SIB [212, 247], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [77, 109, 212]

— ***nudum*** (E.Britton & R.S.Williams) T.J.Kop. – **RUS-AS**: E-SIB [212, 247], N-FE [94, 110, 140], S-FE [67]

— ***parvulum*** (Mitt.) T.J.Kop. – **RUS-AS**: S-FE [76, 212]

— ***pseudopunctatum*** (Bruch & Schimp.) T.J.Kop. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **KAZ** [159, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [96, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [109, 212, 221]

— ***punctatum*** (Hedw.) T.J.Kop. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [356], **RUS-AS**: ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ?ARC-YAK [47, 212], ?N-FE [140], ?S-FE [109, 212] — {160}

— ***striatulum*** (Mitt.) T.J.Kop. – **RUS-AS**: N-FE [140], S-FE [76, 77, 212]

— ***tuomikoskii*** T.J.Kop. – **RUS-AS**: N-FE [254]

Rhodobryum (Schimp.) Limpr. [Bryaceae]

— ***ontariense*** (Kindb.) Kindb. – **LAT** [3], **EST** [237], **UKR**: C [329], M [329], K [328], **RUS-EUR**: N-UR [91], S-UR [91, 207], CAUC [212, 248], **ARM** [297], **RUS-AS**: S-SIB [197, 212], S-FE [79, 212]

— ***roseum*** (Hedw.) Limpr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296], **KYR** [296], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], YAK [239], N-FE [94, 140], S-FE [109, 221] — {161}

Rhynchostegiella (Schimp.) Limpr. [Brachytheciaceae], see also *Oxyrrynchium pumilum (=Rhynchostegiella pallidirostris)*

— ***curviseta*** (Brid.) Limpr. – **RUS-EUR**: CAUC [232], **TAD** [294, 296]

— ***tenella*** (Dicks.) Limpr. – **UKR**: M [66], K [66, 328], **RUS-EUR**: CAUC [208, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 393]

— ***teneriffae*** (Mont.) Dirkse & Bouman (*R. jacquinii* (Garov.) Limpr., *R. teesdalei* (Bruch et al.) Limpr.) – **RUS-EUR**: CAUC [208, 212, 232, 248], **GEO** [31, 102], **ARM** [297], **AZE** [277]

Rhynchostegium Bruch et al. [Brachytheciaceae]

— ***arcticum*** (I.Hagen) Ignatov & Huttunen (*R. murale* var. *arcticum* I.Hagen, *Scleropodiopsis laxiretis* Ignatov) – **RUS-EUR**: NE [415], C [207], N-UR [207], S-UR [207, 212], **RUS-AS**: S-SIB [198]

— ***confertum*** (Dicks.) Bruch et al. – **BEL** [355], **RUS-EUR**: CAUC [55, 212, 232], **GEO** [117], **AZE** [277], **RUS-AS**: ?S-FE [268] — {162}

— ***megapolitanum*** (Blandow ex F.Weber & D.Mohr) Bruch et al. – **UKR**: C [66], K [66, 328], **MLD** [367], **RUS-EUR**: KLN [309], CAUC [6, 232], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [296, 9]

— ***murale*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K

[66, 328], **MLD** [367], **RUS-EUR**: NW [63], KLN [309], C [207, 212, 345], NE [415], CAUC [55, 212, 232, 248], **AZE** [277]

— ***pallidifolium*** (Mitt.) A.Jaeger – **RUS-AS**: S-FE [178]

— ***riparioides*** (Hedw.) Cardot (*Platyhypnidium riparioides* (Hedw.) Dixon) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207, 364, 407], NE [207, 212, 366a], KLN [309], C [207, 345], N-UR [207, 416], S-UR [207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [267, 296], **KAZ** [156, 159], **UZB** [347], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: S-SIB [69, 70, 198, 212], E-SIB [69], YAK [239], S-FE [76, 77, 109, 212] — {163}

— ***rotundifolium*** (Scop. ex Brid.) Bruch et al. – **UKR**: C [66], **RUS-EUR**: S-UR [207, 212], SE [207], CAUC [55, 212, 232, 248], **GEO** [117], **AZE** [277], **RUS-AS**: S-FE [109]

Rhytidiastrum see *Rhytidiadelphus*

Rhytidiadelphus (Limpr.) Warnst. [Hylocomiaceae] — {164}

— ***japonicus*** (Reimers) T.J.Kop. – **RUS-AS**: S-FE [76, 77, 114, 212]

— ***loreus*** (Hedw.) Warnst. – **LTV** [244], **EST** [397], **UKR**: C [66, 413], **RUS-EUR**: KLN [309]

— ***squarrosus*** (Hedw.) Warnst. (*Rhytidiastrum squarrosum* (Hedw.) Ignatov & Ignatova) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], CAUC [55, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [?296], **RUS-AS**: S-SIB [70, 212], ARC-FE [40], N-FE [140], S-FE [109]

— ***subpinnatus*** (Lindb.) T.J.Kop. (*R. squarrosus* var. *calvescens* (Kindb.) Warnst., *Rhytidiastrum subpinnatum* (Lindb.) Ignatov & Ignatova) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [?355], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [248], **ARM** [297], **RUS-AS**: ARC-WSIB [?47], ARC-ESIB [?47], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 275], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [77, 109, 212]

— ***triquetrus*** (Hedw.) Warnst. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

Rhytidium (Sull.) Kindb. [Rhytidiaceae]

— ***rugosum*** (Hedw.) Kindb. – **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [87, 212, 364, 407], NE [207, 212, 415], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **KYR** [351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

Rigodiadelphus Dixon [Pseudoleskeaceae]

— ***robustus*** (Lindb.) Nog. – **RUS-AS**: N-FE [140], S-FE [76, 77, 109, 212]

Saelania Lindb. [Ditrichaceae]

— ***glaucescens*** (Hedw.) Broth. – **LAT** [3], **EST** [237], **UKR**: C [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 102, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [104, 159], **KYR** [104, 296, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 104, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

Sanionia Loeske [Scorpidiaceae]

— ***georgicouncinata*** (Müll.Hal.) Ochyra & Hedenäs (*Sanionia nivalis* Hedenäs) – **RUS-EUR** NW [184], **RUS-AS**: ARC-ESIB [50, 39], ARC-YAK [47, 239]

— ***orthothecioides*** (Lindb.) Loeske – **RUS-EUR**: NW [84, 291], **RUS-AS**: ARC-ESIB [212, 263], ARC-FE [40]

— ***uncinata*** (Hedw.) Loeske (*Drepanocladus uncinatus* (Hedw.) Warnst.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TAD** [26, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

Sarmentypnum see *Warnstorfia* — {165}

Sasaokaea Broth. [Amblystegiaceae]

— ***aomoriensis*** (Paris) Kanda – **RUS-AS**: S-FE [178]

Schistidium Bruch et al. [Grimmiaceae]

— ***agassizii*** Sull. & Lesq. – **LAT** [3], **EST** [237], **RUS-EUR**: ARC [150, 415], NW [212, 273, 364, 407], NE [207, 212, 415], N-UR [150, 207, 415], S-UR [150, 207], CAUC [55, 212, 231, 248], **KAZ** [159, 296, 356], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [70, 197, 202, 212], E-SIB [74, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 212, 221]

— ***andreaeopsis*** (Müll.Hal.) Laz. – **RUS-EUR**: ARC [99], **RUS-AS**: ARC-ESIB [47, 212], ARC-YAK [47, 239], ARC-FE [40, 212]

— ***apocarpum*** (Hedw.) Bruch et al. – **LTV** [97, 244], **LAT** [3, 97], **EST** [97, 237], **BEL** [355], **UKR**: C [66], M [66, 97], K [66], **RUS-EUR**: ARC [150], NW [97, 207, 273, 364, 407], NE [97, 207, 415], KLN [309], C [97, 207], N-UR [150, 207], S-UR [150, 207], SE [207], CAUC [55, 208, 231, 232, 248], **GEO** [97, 117], **ARM** [97, 297], **AZE** [97, 277], **KAZ** [356], **TAD** [294], **KYR** [351], **RUS-AS**: ARC-WSIB [136], W-SIB [265], S-SIB [70, 97, 202], N-FE [94, 140], S-FE [76, 77] — {166}

— ***apocarpum*** subsp. ***canadense*** (Dupret) H.H.Blom ex B.H. Allen & Pursell – **RUS-AS**: S-SIB [99], E-SIB [99], S-FE [99]

— ***boreale*** Poelt – **RUS-EUR**: NW [97, 282], C [207], N-UR [207], S-UR [97, 207], **RUS-AS**: S-SIB [97], YAK [239], ARC-FE [99]

— ***brunnescens*** Limpr. – **UKR**: M [66, 97], K [66], **MLD** [97], **GEO** [97, 117], **TUR** [267, 296], **KYR** [296], **UZB** [267], **RUS-AS**: S-FE [76]

— ***brunnescens*** subsp. ***griseum*** (Nees & Hornsch.) H.H.Blom – **RUS-EUR**: SE [366]

— ***confertum*** (Funck) Bruch et al. (*S. apocarpum* var. *confertum* (Funck) H.Möller) – **EST** [237], **UKR**: C [66], M [66], K [66], **MLD** [367], **GEO** [117, 97], **ARM** [97], **AZE** [277], **RUS-AS**: ?NW [364], ?S-SIB [70], ?YAK [239], ?N-FE [94], ?S-FE [76] — {167}

— ***confusum*** H.H.Blom – **LAT** [3, 97], **EST** [237, 97], **RUS-EUR**: NW [99, 233]

— ***crassipilum*** H.H.Blom – **LAT** [3, 97], **EST** [97, 396], **UKR**: M, K [97], **RUS-EUR**: KLN [309], S-UR [207, 212], SE [366], CAUC [231, 232], **GEO** [97], **ARM** [97]

— ***crenatum*** H.H.Blom – **RUS-EUR**: NW [98, 233], **RUS-AS**: S-SIB [98]

— ***cryptocarpum*** Mogensen & H.H.Blom – **RUS-AS**: ARC-FE [40, 51], N-FE [40, 141]

— ***dupretii*** (Thér.) W.A.Weber – **RUS-EUR**: NW [97, 233], NE [414], C [207, 97], N-UR [207], S-UR [212, 422], SE [99, 366], CAUC [231, 248], **GEO** [97], **KAZ** [97], **RUS-AS**: S-SIB [212, 336], YAK [239], N-FE [140]

— ***elegantulum*** H.H.Blom – **EST** [396], **RUS-EUR**: NW [233], SE [207], CAUC [212, 231, 248, 208], **GEO** [97], **AZE** [97], **RUS-AS**: S-SIB [97], S-FE [99]

— ***flaccidum*** (De Not.) Ochyra (*S. pulvinatum* var. *flaccidum* (De Not.) De Not.) – **UKR**: M [66], K [328], **RUS-EUR**: NW [97, 407], S-UR [99], SE [366], CAUC [231, 248, 102], **GEO** [117, 97], **ARM** [297, 97], **AZE** [97], **TAD** [294], **KYR** [349, 351], **UZB** [267], **RUS-AS**: S-SIB [99]

— ***flexipile*** (Lindb. ex Broth.) G.Roth – **RUS-EUR**: ARC [97], NW [97, 233], **GEO** [97, 102], **RUS-AS**: ARC-YAK [239], ?ARC-FE [40]

— ***frigidum*** H.H.Blom – **RUS-EUR**: NW [97, 233, 282], N-UR [97, 99], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [99], E-SIB [50, 99], ARC-YAK [239], ARC-FE [40, 97], N-FE [40, 140]

— ***frisvollianum*** H.H.Blom – **RUS-EUR**: NW [97, 233], **RUS-AS**: ARC-ESIB [39, 164], E-SIB [163], ARC-YAK [97, 239], YAK [239], ARC-FE [40]

— ***grandirete*** H.H.Blom – **RUS-AS**: ARC-ESIB [50, 97], E-SIB [163], ARC-YAK [239], ARC-FE [40, 97]
— ***helveticum*** (Schkuhr) Deguchi (*Schistidium singarense* (Schiffn.) Laz.) – **RUS-EUR**: SE [366], **GEO** [97], **KAZ** [157], **TUR** [296], **KYR** [267, 296]
— ***holmenianum*** Steere & Brassard – **RUS-AS**: ARC-ESIB [50], ARC-YAK [239], ARC-FE [40]
— ***lancifolium*** (Kindb.) H.H.Blom – **RUS-EUR**: NW [97, 233], C [97], S-UR [212, 422], CAUC [231], **GEO** [97], **RUS-AS**: S-SIB [99], N-FE [141], S-FE [97]
— ***liliputanum***(Müll.Hal.) Deguchi – **RUS-AS**: S-SIB [202, 212], S-FE [212, 221]
— ***maritimum*** (Sm. ex R.Scott) Bruch et al. – **EST** [237], **RUS-EUR**: ARC [42, 47], NW [233, 364], KLN [309], **RUS-AS**: N-FE [140], S-FE [77, 114]
— ***maritimum*** subsp. ***piliferum*** (I.Hagen) B.Bremer – **EST** [396], **RUS-EUR**: NW [98, 233)]
— ***papillosum*** Culm. (*S. apocarpum* subsp. *papillosum* (Culm.) Poelt) – **LAT** [97], **EST** [397], **UKR**: C [66], M [66], **RUS-EUR**: ARC [97], NW [97, 233, 282], N-UR [207], S-UR [207], CAUC [231, 248], **GEO** [97], **KAZ** [97], **RUS-AS**: ARC-ESIB [39, 164], S-SIB [97], E-SIB [163], ARC-YAK [239], YAK [239], ARC-FE [40, 97], N-FE [140], S-FE [97, 114]
— ***platyphyllum*** (Mitt.) Perss. (*S. alpicola* auct. non (Hedw.) Limpr., *S. rivulare* subsp. *latifolium* (J.E.Zetterst.) B.Bremer, *S. rivulare* var. *latifolium* (J.E.Zetterst.) H.A.Crum & L.E.Anderson) – **RUS-EUR**: ARC [47, 127], NW [233], NE [?47], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [39, 164], S-SIB [98], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [140], S-FE [67]
— ***platyphyllum*** subsp. ***abrupticostatum*** (Bryhn) H.H.Blom – **RUS-EUR**: ARC [99], **RUS-AS**: ARC-ESIB [50, 98], E-SIB [388]
— ***pruinosum*** (Wilson ex Schimp.) G.Roth – **RUS-EUR**: S-UR [212, 422], CAUC [231, 248], **GEO** [97], **ARM** [97]
— ***pulchrum*** H.H.Blom – **UKR**: M [97], **RUS-EUR**: ARC [99], NW [97, 233], S-UR [212, 422], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [97], E-SIB [97, 388], ARC-YAK [97, 239], YAK [239], ARC-FE [99], N-FE [140], S-FE [97]
— ***recurvum*** H.H.Blom – **RUS-EUR** [233, 282], **KAZ** [97]
— ***rivulare*** (Brid.) Podp. – **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 127, 150], NW [87, 207, 364, 407], NE [207], C [207], N-UR [90, 150, 207], S-UR [150, 207], CAUC [55, 231, 248], **GEO** [117], **KAZ** [159, 296, 356], **UZB** [347], **TAD** [294, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164], S-SIB [70, 202, 362], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 221]
— ***robustum*** (Nees & Hornsch.) H.H.Blom – **LAT** [3, 97], **EST** [97], **UKR**: M [97], **RUS-EUR**: NW [97, 233], CAUC [99], **GEO** [97]
— ***scandicum*** H.H.Blom – **RUS-EUR**: S-UR [99]
— ***sinensiapocarpum*** (Müll. Hal.) Ochyra – **RUS-EUR**: CAUC [99], **RUS-AS**: S-SIB [99], YAK [99]
— ***sordidum*** I.Hagen – **RUS-EUR**: NW [233], **RUS-AS**: ARC-ESIB [162], ARC-FE [40]
— *strictum* (Turner) Loeske ex Mårtensson – excluded — {168}
— ***subflaccidum*** (Kindb.) H.H.Blom – CAUC [99, 231]
— ***subjulaceum*** H.H.Blom – **RUS-EUR**: NW [233], **KAZ** [97], **KYR** [97], **RUS-AS**: S-SIB [97]
— ***submuticum*** Broth. ex H.H.Blom – **LAT** [3], **RUS-EUR**: NW [233], NE [207], C [97, 207], N-UR [207], S-UR [97, 207], SE [207], **RUS-AS**: ARC-ESIB [164], S-SIB [99], E-SIB [99], YAK [239]
— ***submuticum*** subsp. ***arcticum*** H.H.Blom – **RUS-AS**: ARC-ESIB [164], S-SIB [99], ARC-YAK [97, 239], YAK [97, 239], ARC-FE [99]
— ***tenerum*** (J.E.Zetterst.) Nyholm – **RUS-EUR**: NW [233], **RUS-AS**: E-SIB [74, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 97, 212], N-FE [40]
— ***trichodon*** (Brid.) Poelt – **EST** [237], **GEO** [97], **ARM** [97], **KYR** [97]
— ***trichodon*** var. ***nutans*** H.H.Blom – **UKR**: M [97], **RUS-EUR**: NW [233], CAUC [212, 231, 248], **ARM** [297], **RUS-AS**: S-SIB [97], N-FE [97, 140], S-FE [99]
— ***umbrosum*** (J.E. Zetterst.) H.H.Blom – **RUS-EUR**: NW [233]
— ***venetum*** H.H.Blom – **RUS-EUR**: NW [97, 233], **RUS-AS**: E-SIB [163], ARC-FE [99]

Schistostega D.Mohr [Schistostegaceae]
— ***pennata*** (Hedw.) F.Weber & D.Mohr – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M

[66], **RUS-EUR**: NW [207, 212, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [74, 212, 247], YAK [239], N-FE [94, 110, 140], S-FE [76, 77, 114, 212]

Schwetschkeopsis Broth. [*Hypnaceae]

— ***fabronia*** (Schwägr.) Broth. – **RUS-AS**: S-FE [76, 212]

Sciuro-hypnum (Hampe) Hampe [Brachytheciaceae]

— ***altaicum*** (Ignatov) Ignatov, comb. nov. – *Eurhynchium altaicum* Ignatov, Arctoa 7: 141. 1998. – **RUS-AS**: S-SIB [198] — {169}

— ***brotheri*** (Paris) Ignatov & Huttunen – **RUS-AS**: S-FE [109, 114]

— ***flotowianum*** (Sendtn.) Ignatov & Huttunen (*Eurhynchium flotowianum* (Sendtn.) Kartt. *Cirriphyllum reichenbachianum* (Huebener) Wijk & Margad.) – **UKR**: C [66], K [66, 328], **RUS-EUR**: KLN [309], CAUC [208, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277]

— ***glaciale*** (Bruch et al.) Ignatov & Huttunen (*Brachythecium glaciale* Bruch et al.) – **RUS-EUR**: ARC [47, 127, 150], NW [87, 364], NE [415], N-UR [150, 207], CAUC [55, 212, 231], **GEO** [117], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-ESIB [212, 263], S-SIB [70, 198, 212], N-FE [140]

— ***glaciale*** var. ***dovrense*** (Limpr.) Ochyra (*Brachythecium dovrense* (Limpr.) J.J.Amann, *B. glaciale* var. *dovrense* Limpr.) – **RUS-EUR**: NW [364], CAUC [231], **RUS-AS**: S-SIB [198, 212], ARC-FE [40], N-FE [140]

— ***latifolium*** (Kindb.) Ignatov & Huttunen (*Brachythecium latifolium* Kindb.) – **RUS-EUR**: ARC [47, 150], NW [212, 273, 364], NE [212, 415], N-UR [150], S-UR [150], **RUS-AS**: W-SIB [265], S-SIB [70, 198, 212], E-SIB [275], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [40, 140], S-FE [212, 221] — {170}

— ***oedipodium*** (Mitt.) Ignatov & Huttunen (*Brachythecium curtum* (Lindb.) Limpr., *B. oedipodium* (Mitt.) A.Jaeger, *B. starkei* var. *curtum* (Lindb.) Warnst.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], **RUS-AS**: ARC-WSIB [136], W-SIB [147, 212], S-SIB [70, 198, 212, 265], E-SIB [275], YAK [239], ARC-FE [40], N-FE [40, 140], S-FE [114, 212, 221]

— ***ornellanum*** (Molendo) Ignatov & Huttunen (*Brachythecium ornellanum* (Molendo) Venturi & Bott., *Scleropodium apiculigerum* (Lindb. & Arnell) J.-P.Frahm, *S. ornellanum* (Molendo) Lorentz) – **RUS-EUR**: ARC [47, 127, 150], NW [273, 364], NE [212, 415], N-UR [150, 207, 212], S-UR [150, 207], CAUC [231], **GEO** [15], **KAZ** [296, 356], **KYR** [296, 350, 351], **RUS-AS**: ARC-ESIB [212], W-SIB [147, 212], S-SIB [70, 198, 212], E-SIB [212, 275], ARC-YAK [47, 239], ARC-FE [40], N-FE [140]

— ***plumosum*** (Hedw.) Ignatov & Huttunen (*Brachythecium plumosum* (Hedw.) Bruch et al.) – **LTV** [244], **LAT** [5], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [207, 212, 364, 407], NE [53, 207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **TAD** [296], **KYR** [296], **RUS-AS**: S-SIB [69, 198, 212], E-SIB [212, 275], ARC-YAK [239], YAK [239], ARC-FE [40, 212], N-FE [140], S-FE [76, 77, 109, 212]

— ***populeum*** (Hedw.) Ignatov & Huttunen (*Brachythecium populeum* (Hedw.) Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [207, 273, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [296], **KYR** [296], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 198, 212], E-SIB [212, 275], YAK [239], ARC-FE [40], N-FE [140], S-FE [76, 77, 109, 212]

— ***reflexum*** (Starke) Ignatov & Huttunen (*Brachythecium reflexum* (Starke) Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **TAD** [294, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [69, 70, 198, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***starkei*** (Brid.) Ignatov & Huttunen (*Brachythecium starkei* (Brid.) Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [69, 70, 198, 212, 265], E-SIB [212, 275], ARC-FE [40], N-FE [40, 140], S-FE [76, 77, 109]
— ***uncinifolium*** (Broth. & Paris) Ochyra & Żarnowiec (*Brachythecium uncinifolium* Broth.) – **RUS-AS**: N-FE [140, 143], S-FE [67, 112, 114]

Scleropodiopsis see *Rhynchostegium arcticum*

Scleropodium see *Pseudoscleropodium purum, Sciuro-hypnum ornellanum*

Scopelophila (Mitt.) Lindb. [Pottiaceae]
— ***ligulata*** (Spruce) Spruce (*Merceya ligulata* (Spruce) Schimp., *M. ligulata* var. *acutiuscula* (Lindb. ex Broth.) P.C.Chen, *M. acutiuscula* Lindb. ex Broth.) – **GEO** [117], **RUS-AS**: S-FE [76]

Scorpidium (Schimp.) Limpr. [Scorpidiaceae]
— ***cossonii*** (Schimp.) Hedenäs (*Limprichtia cossonii* (Schimp.) L.E.Anderson , *L. intermedia* (Lindb.) Loeske, *Drepanocladus cossonii* (Schimp.) Loeske, *D. intermedius* (Lindb.) Warnst.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212], KLN [309], C [207], N-UR [90, 150, 207], S-UR [150, 207], CAUC [231, 248], **GEO** [117], **ARM** [297], **KAZ** [158], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140]
— ***revolvens*** (Sw. ex anon.) Rubers (*Limprichtia revolvens* (Sw. ex anon.) Loeske, *Drepanocladus revolvens* (Sw. ex anon.) Warnst.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], N-UR [150, 212], S-UR [150], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [296, 356], **TAD** [267, 294, 296], **KYR** [351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [147, 212], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [67, 212]
— ***scorpioides*** (Hedw.) Limpr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: M [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 345], N-UR [150, 212], S-UR [150, 207], CAUC [212, 248], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [67]

Scorpiurium Schimp. [Brachytheciaceae]
— ***circinatum*** (Brid.) M.Fleisch. & Loeske – **UKR**: K [66, 328], **RUS-EUR**: CAUC [208, 212, 232], **GEO** [205a], **AZE** [277]

Scouleria Hook. [Scouleriaceae]
— ***aquatica*** Hook. (*S. rschewinii* Lindb. & Arnell) – **RUS-AS**: ARC-ESIB [164, 212, 275], S-SIB [69, 73], E-SIB [212, 260, 275], ARC-YAK [47, 239], YAK [212, 239], N-FE [40, 94], S-FE [212, 221] — {171}
— ***aquatica*** var. ***pulcherrima*** (Broth.) Kurbatova – **RUS-AS**: ARC-FE [260], ARK-YAK [36], YAK [239, 260], ARC-FE [40, 260], N-FE [40, 260], S-FE [260] — {171}

Seligeria Bruch et al. [Seligeriaceae]
— ***acutifolia*** Lindb. – **GEO** [102]
— ***brevifolia*** (Lindb.) Lindb. – **UKR** [401], **RUS-EUR**: NW [407], N-UR [90, 207, 212], S-UR [91], **RUS-AS**: S-SIB [69, 212, 275], E-SIB [68, 212]
— ***calcarea*** (Hedw.) Bruch et al. – **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: C [207, 212, 345], SE [207]
— ***campylopoda*** Kindb. – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: NW [207, 281], NE [207, 212, 415], C [207, 212, 345], N-UR [90, 207, 302], S-UR [177], **RUS-AS**: W-SIB [307], S-SIB [212], E-SIB [162], ARC-YAK [239], YAK [239]
— ***diversifolia*** Lindb. – **RUS-EUR**: NW [207, 364, 407], **RUS-AS**: S-SIB [69, 70, 212] — {172}
— ***donniana*** (Sm.) Müll.Hal. – **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: NW [407], NE [415], C [207], S-UR [88, 207, 302], **GEO** [13], **TUR** [267, 296], **KYR** [267, 296], **RUS-AS**: S-SIB [69, 70, 275] — {173}

— ***galinae*** Mogensen & I.Goldberg – **RUS-EUR**: C [313], N-UR [90, 207, 212, 302], S-UR [91] — {173}
— ***oelandica*** C.E.O.Jensen & Medelius – **RUS-AS**: ARC-FE [40]
— ***patula*** (Lindb.) I.Hagen (*S. alpestris* T.Schauer, *S. patula* var. *alpestris* (T.Schauer) Gos & Ochyra, *S. tristichoides* var. *patula* (Lindb.) Broth.) – **EST** [237]
— ***polaris*** Berggr. – **RUS-EUR**: ARC [47], **RUS-AS**: ARC-ESIB [39, 212, 263], ?S-SIB [69, 70], E-SIB [163], ARC-YAK [47, 239], ARC-FE [40, 212] — {174}
— ***pusilla*** (Hedw.) Bruch et al. – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: C [207, 212, 345], NE [415], S-UR [207, 212, 302], SE [207, 366], CAUC [55, 212, 248], **AZE** [277], **TUR** [267, 296], **TAD** [295], **KYR** [267, 296], **RUS-AS**: S-SIB [212, 336]
— ***recurvata*** (Hedw.) Bruch et al. – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [407], CAUC [232], **GEO** [102, 117], **AZE** [277], **RUS-AS**: S-FE [76]
— ***subimmersa*** Lindb. – **RUS-EUR**: NW [407]
— ***trifaria*** (Brid.) Lindb. – **RUS-EUR**: NE [207, 415], CAUC [55, 212], **GEO** [102], **RUS-AS**: ?S-SIB [70], ?E-SIB [275] — {175}
— ***tristichoides*** Kindb. – **RUS-EUR**: NW [364, 407], N-UR [90, 207, 212, 302], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [212], E-SIB [163], YAK [239]

Semibarbula see Tortula

Serpoleskea (Limpr.) Loeske [Amblystegiaceae]
— ***confervoides*** (Brid.) Loeske (*Amblystegium confervoides* (Brid.) Bruch et al.*, Amblystegiella confervoides* (Brid.) Loeske, *Platydictya confervoides* (Brid.) H.A.Crum) – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [407], NE [207, 416], C [207, 345], S-UR [91, 150, 207, 212], CAUC [248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296], **TAD** [296], **KYR** [296], **RUS-AS**: S-SIB [212, 336]
— ***subtilis*** (Hedw.) Loeske (*Amblystegium subtile* (Hedw.) Bruch et al.*, Amblystegiella subtilis* (Hedw.) Loeske, *Platydictya subtilis* (Hedw.) H.A.Crum) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248), **GEO** [117], **ARM** [297], **AZE** [277], **TAD** [296], **KYR** [267, 296], **RUS-AS**: ARC-WSIB [136], W-SIB [265], S-SIB [70, 212], YAK [?239], S-FE [76, 212]

Sphagnum L. [Sphagnaceae]
— ***affine*** Renauld & Cardot (*S. affine* var. *flagellare* (Schlieph. ex Röll) L.Söderstr. & Hedenäs, *S. imbricatum* subsp. *affine* (Renauld & Cardot) Flatberg) – **RUS-EUR**: NW [290], ARC [?47], **RUS-AS**: ARC-WSIB [?47], ARC-YAK [?239]
— ***angustifolium*** (C.E.O.Jensen ex Russow) C.E.O.Jensen – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212], **GEO** [117], **KAZ** [356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 109, 212]
— ***annulatum*** H.Lindb. ex Warnst. – **RUS-EUR**: NW [212, 262, 282], ?NE [212, 417], ?**RUS-AS**: E-SIB [212, 308] — {176}
— ***aongstroemii*** Hartm. – **EST** [237], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 262, 407], NE [207, 212, 415], C [207], N-UR [150, 207, 212], S-UR [150, 212], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94], S-FE [212, 221]
— ***arcticum*** Flatberg & Frisvoll – **RUS-AS**: ARC-YAK [284], ARC-FE [40, 212]
— ***auriculatum*** Schimp. (*S. denticulatum* Brid.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: M [412], **RUS-EUR**: KLN [309], NW [212, 364, 407], C [207, 212], CAUC [231], **GEO** [117], **RUS-AS**: ARC-ESIB [164], S-FE [30]
— ***austinii*** Sull. (*S. imbricatum* subsp. *austinii* (Sull.) Flatberg) – **LAT** [4], **EST** [237], **GEO** [168] — {177}

— ***balticum*** (Russow) C.E.O.Jensen – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [413], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [109, 212, 221]

— ***capillifolium*** (Ehrh.) Hedw. (*S. nemoreum* Scop., *S. subtile* (Russow) Warnst.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **KAZ** [26, 296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [70, 212], E-SIB [212, 247], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***centrale*** C.E.O.Jensen – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [26, 296], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], YAK [239], ARC-FE [40], N-FE [140], S-FE [76, 109, 212]

— ***compactum*** Lam. & DC. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207], SE [207], CAUC [55, 212], **GEO** [117], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]

— ***contortum*** Schultz – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 262, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212, 345], N-UR [150, 212, 207], S-UR [150, 207], SE [207], CAUC [55, 212, 231], **GEO** [117], **KAZ** [26, 296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [212, 336], E-SIB [212, 247], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 212]

— ***cuspidatum*** Ehrh. ex Hoffm. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212, 345], N-UR [150, 207], S-UR [150], SE [207], CAUC [55, 212], **GEO** [117], **RUS-AS**: W-SIB [212, 265], S-SIB [70], YAK [212, 239], N-FE [94, 109, 140]

— ?*elenkinii* B.S.Semenov – **RUS-AS**: S-SIB [365] — {178}

— ***fallax*** (H.Klinggr.) H.Klinggr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212], **GEO** [117], **RUS-AS**: ARC-WSIB [47], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [140], S-FE [77, 109, 212]

— ***fimbriatum*** Wilson – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 212, 207], S-UR [150, 207], SE [207, 212], **GEO** [117], **ARM** [297], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [212], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***flexuosum*** Dozy & Molk. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212], **GEO** [117], **KAZ** [26, 296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [93], W-SIB [212, 265], S-SIB [70, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [76, 212, 221]

— ***fuscum*** (Schimp.) H.Klinggr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], **GEO** [117], **ARM** [297], **KAZ** [26, 295, 296, 356], **TAD** [26, 295], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [47], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 109, 212]

— ***girgensohnii*** Russow – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [26, 296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]
— ?*gordjaginii* B.S.Semenov – **RUS-AS**: S-SIB [365] — {178}
— ***imbricatum*** Hornsch. ex Russow s. str. – **RUS-AS**: YAK [168, 239], N-FE [168], S-FE [30, 76, 168] — {179}
— ***inexpectatum*** Flatberg – **RUS-AS**: ARC-FE [170]
— ***inundatum*** Russow (*S. denticulatum* var. *inundatum* (Russow) Kartt., *S. subsecundum* subsp. *inundatum* (Russow) Meyl., *S. subsecundum* var. *inundatum* (Russow) C.E.O.Jensen) – **LTV** [244], **LAT** [1], **EST** [237], **BEL** [333], **UKR**: C [406], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 407], NE [207, 415], KLN [310], C [207, 212], CAUC [55, 212], **GEO** [117], **RUS-AS**: S-FE [109]
— ***jensenii*** H. Lindb. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [212], E-SIB [212, 247], YAK [239], N-FE [140], S-FE [109, 212, 221] — {176}
— ?*krylovii* B.S.Semenov – **RUS-AS**: S-SIB [365] — {178}
— ***lenense*** H.Lindb. ex L.I.Savicz – **RUS-EUR**: ARC [47, 127, 150, 415], N-UR [150, 415], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], E-SIB [74, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94], S-FE [109, 212, 221]
— ***lindbergii*** Schimp. – **LAT** [3], **EST** [237], **BEL** [333], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [?47], W-SIB [212, 265], S-SIB [197, 212], E-SIB [74, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [109, 212, 221]
— ***magellanicum*** Brid. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231], **GEO** [117], **KAZ** [26, 296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 77, 109, 212]
— ***majus*** (Russow) C.E.O.Jensen – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207], SE [207], **RUS-AS**: W-SIB [212, 265], S-SIB [212, 336], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [140]
— ***molle*** Sull. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: M [412], **RUS-EUR**: NW [280, 407], KLN [310]
— ***obtusum*** Warnst. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [90, 150, 207], S-UR [150, 207], SE [207], **GEO** [117], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [212, 336], E-SIB [74, 212, 247], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40], N-FE [94, 140], S-FE [76, 109, 212]
— ***orientale*** L.I.Savicz – **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40, 94], S-FE [76, 212]
— ***palustre*** L. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: NW [207, 407], NE [207, 212, 415], KLN [310], C [207, 212, 345], N-UR [207], S-UR [150, 207, 212], SE [207], CAUC [212, 248], **GEO** [117], **KAZ** [26, 296], **RUS-AS**: W-SIB [265], S-SIB [70, 212], E-SIB [212, 247], S-FE [76, 77, 109, 212]
— ***papillosum*** Lindb. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], **GEO** [117], **RUS-AS**: W-SIB [212, 265], S-SIB [212, 336], E-

SIB [212, 308], ARC-FE [40], N-FE [140], S-FE [109]

— ***perfoliatum*** L.I.Savicz – **RUS-AS**: ARC-WSIB [136], WSIB [428], ARC-YAK [47, 239], ARC-FE [40], N-FE [94, 95]

— ***platyphyllum*** (Lindb. ex Braithw.) Warnst. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [53, 207, 212, 415], KLN [310], C [207, 212, 345], N-UR [90, 150, 207], S-UR [150, 207], SE [207], CAUC [55, 212, 231], **GEO** [117], **KAZ** [26, 296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [197, 212], E-SIB [74, 212, 247], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [140], S-FE [212, 109]

— ***pulchrum*** (Lindb. ex Braithw.) Warnst. – **LTV** [244], **LAT** [3], **BEL** [333], **RUS-EUR**: NW [207, 212, 407], NE [207, 415], KLN [310], C [207], N-UR [150, 415], **RUS-AS**: S-SIB [212, 336], ARC-YAK [47, 239], N-FE [140], S-FE [77]

— ***quinquefarium*** (Lindb. ex Braithw.) Warnst. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], **RUS-EUR**: NW [212, 364, 407], NE [288, 207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207], S-UR [150], CAUC [212, 248], **GEO** [117], **RUS-AS**: W-SIB [265], S-SIB [70, 212], E-SIB [197, 212], S-FE [67]

— ***riparium*** Ångstr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], **ARM** [297], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [?47, 93], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [94, 140], S-FE [109, 212, 221]

— ***rubellum*** Wilson – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207], SE [207], CAUC [55, 212], **GEO** [117], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [96, 212], W-SIB [265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140], S-FE [212, 109]

— ***russowii*** Warnst. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 248], **GEO** [117], **KAZ** [26, 296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [93, 164], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [109, 212, 221]

— ***squarrosum*** Crome – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [26, 296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]

— ***steerei*** R.E.Andrus (*S. imbricatum* var. *arcticum* Flatberg) – **RUS-AS**: ARC-YAK [?239], YAK [239], ARC-FE [168]

— ***subfulvum*** Sjörs – **LAT** [3], **EST** [237], **RUS-EUR**: NW [212, 273, 364], NE [207], N-UR [207], **RUS-AS**: ARC-YAK [239], ARC-FE [40], N-FE [40]

— ***subnitens*** Russow & Warnst. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: M [412], **RUS-EUR**: NW [212, 273, 364, 407], NE [207], KLN [310], S-UR [150, 207], **KAZ** [26, 296], **RUS-AS**: W-SIB [265], S-SIB [212, 336]

— ***subsecundum*** Nees – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **AZE** [277], **KAZ** [26, 296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [212, 336], E-SIB [163], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140], S-FE [76, 109, 212]

— ***tenellum*** (Brid.) Pers. ex Brid. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: M [412], **RUS-**

EUR: NW [207, 212, 364, 407], NE [207], KLN [310], C [207], CAUC [55, 212], **RUS-AS**: S-SIB [212, 336], E-SIB [212, 308], N-FE [140]

— ***teres*** (Schimp.) Ångstr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: C [412], M [412], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **KAZ** [26, 295, 296, 356], **TAD** [26, 295], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 77, 109]

— ***tundrae*** Flatberg – **RUS-AS**: ARC-FE [40]

— ?*vereschaginii* B.S.Semenov – **RUS-AS**: S-SIB [365] — {178}

— ***warnstorfii*** Russow – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: M [412], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [310], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **KAZ** [26], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [109, 212, 221]

— ***wulfianum*** Girg. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [333], **UKR**: M [412], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], **KAZ** [296], **RUS-AS**: W-SIB [212, 265], S-SIB [70, 212], E-SIB [74, 212, 247], ARC-YAK [239], YAK [212, 239], S-FE [212, 109]

Splachnum Hedw. [Splachnaceae]

— ***ampullaceum*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [207, 212, 364, 407], NE [207, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], **TAD** [296], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 163], YAK [239], N-FE [94]

— ***luteum*** Hedw. – **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 212], S-UR [207], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 162, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140]

— ***melanocaulon*** (Wahlenb.) Schwägr. – **RUS-EUR**: NW [207, 262], NE [414], **RUS-AS**: E-SIB [275], N-FE [140, 275]

— ***pensylvanicum*** (Brid.) Grout ex H.A.Crum – **LAT** [3]

— ***rubrum*** Hedw. – **LAT** [3], **EST** [237], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], C [207, 212], N-UR [150, 207, 415], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 212], E-SIB [69, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [38, 212], N-FE [94, 140], S-FE [212, 221]

— ***sphaericum*** Hedw. (*S. ovatum* Hedw.) – **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150, 415], NW [207, 212, 364, 407], NE [207, 415], N-UR [150], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [147, 212], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [40, 140], S-FE [212, 221]

— ***vasculosum*** Hedw. – **EST** [237], **RUS-EUR**: ARC [47, 150], NW [87, 212, 364, 407], N-UR [150], **KAZ** [157], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], E-SIB [163], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40]

Stegonia Venturi [Pottiaceae]

— ***latifolia*** (Schwägr.) Venturi ex Broth. – **RUS-EUR**: ARC [47, 150, 415], CAUC [55, 212, 231], **GEO** [18], **ARM** [297], **KAZ** [157, 296], **TAD** [267, 295], **KYR** [296, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [70, 212], E-SIB [126, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40]

— ***pilifera*** (Brid.) H.A.Crum & L.E.Anderson – **GEO** [102], **TAD** [295], **KYR** [296, 349], **RUS-AS**: ARC-WSIB [136], S-SIB [70, 212], ARC-FE [40, 212], N-FE [40]

Stereodon (Brid.) Mitt. [Pylaisiaceae] — {180}

— ***bambergeri*** (Schimp.) Lindb. (*Hypnum bambergeri* Schimp.) – **UKR**: C [66], **RUS-EUR**: ARC [47, 150, 415], NW [364], NE [207, 212], N-UR [150], **KAZ** [159, 296, 356], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [126, 212, 247], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76]

— ***callichrous*** (Brid.) Braithw. (*Hypnum callichroum* Brid.) – **UKR**: C [66], **RUS-EUR**: NW [212, 273, 364, 407], CAUC [212, 231], **GEO** [117], **ARM** [297], **RUS-AS**: S-SIB [70], N-FE [140], S-FE [268] — {181}
— ***fauriei*** (Cardot) Ignatov & Ignatova – *Hypnum fauriei* Cardot, Beih. Bot. Centralbl. 17: 41, f. 26. 1904. – **RUS-AS**: S-SIB [200, 212], YAK [239], S-FE [212, 221] — {182}
— ***fertilis*** (Sendtn.) Lindb. (*Hypnum fertile* Sendtn.) – **LAT** [3], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: NW [48], C [207], S-UR [150], CAUC [212, 248], **GEO** [117], **AZE** [277], **TAD** [296], **KYR** [296] — {182}
— ***hamulosus*** (Bruch et al.) Lindb. (*Hypnum hamulosum* Bruch et al.) – **UKR**: C [66], **RUS-EUR**: ARC [150], NW [41, 87, 364, 407], NE [415], N-UR [41, 150, 415], **AZE** [277], **KAZ** [159, 296], **RUS-AS**: ARC-WSIB [?47], ARC-ESIB [41, 164], S-SIB [41, 70, 212], E-SIB [163], ARC-YAK [41, 49, 239], YAK [239], ARC-FE [40, 41], N-FE [140]
— ***holmenii*** (Ando) Ignatov & Ignatova (*Hypnum holmenii* Ando) – **RUS-EUR**: ARC [41], NW [41, 207], NE [41, 212], N-UR [41, 90], **RUS-AS**: ARC-WSIB [41, 136], ARC-ESIB [41, 164], S-SIB [41, 212], E-SIB [41], ARC-YAK [41, 212, 239], YAK [41, 239], ARC-FE [40, 41], N-FE [41, 140], S-FE [41] — {183}
— ***pallescens*** (Hedw.) Mitt. (*Hypnum pallescens* (Hedw.) P.Beauv.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 212, 407], NE [207, 212, 416], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296], **RUS-AS**: W-SIB [212, 265], S-SIB [70, 212], E-SIB [212, 275, 388], N-FE [140], S-FE [77, 109, 212] — {184}
— ***plicatulus*** Lindb. (*Hypnum plicatulum* (Lindb.) A.Jaeger) – **RUS-EUR**: ARC [41, 47, 150, 127], NW [41, 212, 273], NE [41, 212], N-UR [41, 150, 207, 212, 415], S-UR [41, 207], **RUS-AS**: ARC-WSIB [41, 136], ARC-ESIB [41, 212], W-SIB [41, 212, 265], S-SIB [41, 212], E-SIB [41, 212, 275], ARC-YAK [41, 47, 212, 239], YAK [41, 212, 239], ARC-FE [40, 41, 212], N-FE [41, 90, 140], S-FE [41, 76, 77, 109, 212]
— ***plumaeformis*** (Wilson) Mitt. (*Hypnum plumaeforme* Wilson) – **GEO** [29], **RUS-AS**: S-FE [29, 76, 77, 212]
— ***procerrimus*** (Molendo) Bauer – **RUS-EUR**: ARC [47, 150], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [156, 159], **TAD** [296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [70, 212], E-SIB [163, 388], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212] — {185}
— ***revolutus*** Mitt. (*Hypnum revolutum* (Mitt.) Lindb.) – **UKR**: C [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [364], NE [415], N-UR [150], S-UR [150], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 267, 296, 356], **TUR** [296], **UZB** [267], **TAD** [294], **KYR** [267, 296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [70, 212], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140]
— ***subimponens*** (Lesq.) Broth. (*Hypnum subimponens* Lesq.) – **BEL** [?355], **RUS-EUR**: NW [41], NE [41], **RUS-AS**: ARC-WSIB [41, 136], ARC-ESIB [41, 164, 212], S-SIB [41], E-SIB [41, 212], ARC-YAK [41, 239], YAK [14, 17, 212, 239], ARC-FE [40, 41, 212], N-FE [41, 94, 140], S-FE [41, 212]
— ***subimponens*** var. ***ulophyllum*** (Müll. Hal.) Afonina, comb. nov. – *Cupressina ulophylla* Müll. Hal., Nuov. Giorn. Bot. Ital. n. ser. 3: 122. 1896. – **RUS-AS**: YAK [41], ARC-FE [41], S-FE [41]
— *tristo-viridis* Broth. (*Hypnum tristo-viride* (Broth.) Paris) – excluded — {186}
— ***vaucheri*** (Lesq.) Lindb. ex Broth. (*Hypnum vaucheri* Lesq.) – **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [212, 364, 407], NE [212, 415], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 267, 296, 356], **TUR** [267, 296], **TAD** [294, 296], **KYR** [267, 296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 212]

Straminergon Hedenäs [Calliergonaceae]

— ***stramineum*** (Dicks. ex Brid.) Hedenäs (*Calliergon stramineum* (Dicks. ex Brid.) Kindb.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150],

NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [212, 231], **GEO** [117], **AZE** [277], **KAZ** [296, 303, 356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [77, 109, 212]

Struckia Müll.Hal. [Plagiotheciaceae]

— ***enervis*** (Broth.) Ignatov, T. J. Kop. & D.G.Long (*Cephalocladium zerovii* Laz., *Struckia argentata* Müll.Hal. subsp. *zerovii* (Laz.) Tan et al., *S. zerovii* (Laz.) Hedenäs) – **RUS-AS**: S-SIB [69, 70, 212] — {187}

Syntrichia Brid. [Pottiaceae], see also *Tortula mucronifolia, T. subulata,* etc.

— ***calcicola*** J.J.Amann (*S. densa* (Velen.) J.-P.Frahm, *Tortula calcicolens* W.A.Kramer, *T. densa* (Velen.) J.-P.Frahm, *T. ruralis* var. *calcicola* (J.J.Amann) Barkman, *T. ruralis* var. *densa* Velen.) – **EST** [237], **UKR**: C [66], M [66], **RUS-EUR**: C [212, 345], **GEO** [117], **ARM** [297], **KAZ** [296, 356], **TAD** [294, 295], **KYR** [296] — {188}

— ***caninervis*** Mitt. (*Tortula caninervis* (Mitt.) Broth.) – **UKR**: M [66], K [66, 328], **RUS-EUR**: C [207, 212, 345], S-UR [150, 207], SE [207, 212], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 295, 296], **TUR** [295, 296], **UZB** [295, 296], **TAD** [294, 295, 296], **KYR** [295, 296, 351], **RUS-AS**: S-SIB [70, 197], E-SIB [162]

— ***caninervis*** var. ***astrakhanica*** Ignatov, Ignatova & Suragina – **RUS-EUR**: SE [207, 212, 213]

— ***ferganensis*** (Laz.) Laz. – **KAZ** [296, 356], **TAD** [295], **KYR** [267, 295, 296]

— ***handelii*** (Schiffn.) S.Agnew & Vondr. (*S. montana* subsp. *handelii* (Schiffn.) Podp., *Tortula handelii* Schiffn., *T. intermedia* subsp. *handelii* (Schiffn.) Wijk & Margad.) – **UKR**: M [66], **KAZ** [296, 348, 356], **TUR** [11, 296], **TAD** [295], **KYR** [296]

— ***handelii*** var. ***ferganensis*** (Laz.) Ochyra – **UZB** [257]

— ***laevipila*** Brid. (*S. pagorum* (Milde) J.J.Amann, *Tortula pagorum* (Milde) De Not., *T. laevipila* (Brid.) Schwägr.) – **RUS-EUR**: KLN [309], CAUC [232, 250], **GEO** [117], **ARM** [297], **KAZ** [296, 356], **TAD** [295], **KYR** [267, 296], **RUS-AS**: S-SIB [70, 212], E-SIB [162, 212, 386], YAK [239], S-FE [76, 212] — {189}

— ***latifolia*** (Bruch ex Hartm.) Huebener (*Tortula latifolia* Bruch ex Hartm.) – **LAT** [3], ?**BEL** [355], **UKR**: C [66, 413], **RUS-EUR**: KLN [309], **RUS-AS**: YAK [239]

— ***montana*** Nees (*S. intermedia* Brid.) – **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: S-UR [207, 212], SE [207], CAUC [55, 212, 232], **GEO** [102, 117], **ARM** [297], **AZE** [277], **TAD** [294, 295]

— ***norvegica*** F.Weber (*Tortula norvegica* (F.Weber) Lindb.) – **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [87, 273, 364, 407], NE [207, 212, 415], N-UR [90, 150, 207], S-UR [150, 207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [296, 356], **TAD** [294, 295], **UZB** [267], **KYR** [267, 296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47], YAK [239], ARC-FE [40], N-FE [140], S-FE [67, 212]

— ***papillosa*** (Wilson) Jur. (*Tortula papillosa* Wilson) – **LTV** [244], **UKR**: C [66], M [66], **RUS-EUR**: KLN [309], CAUC [226], **GEO** [117], **AZE** [277]

— ***papillosissima*** (Copp.) Loeske (*S. ruralis* var. *hirsuta* (Venturi) Podp., *Tortula hirsuta* (Venturi) Laz., *T. papillosissima* (Copp.) Broth., *T. ruralis* subsp. *hirsuta* (Venturi) W.A.Kramer, *T. ruralis* var. *hirsuta* (Venturi) Paris) – **GEO** [117], **AZE** [277], **KAZ** [295, 296, 356, 348], **TUR** [295, 296], **TAD** [294, 295], **KYR** [296, 349, 351]

— ***princeps*** (De Not.) Mitt. (*Tortula princeps* De Not.) – **GEO** [117], **ARM** [297], **TUR** [257, 267, 295, 296], **UZB** [296], **TAD** [294, 295], **KYR** [296]

— ***princeps*** var. ***parnassica*** (Schiffn.) Podp. – **TUR** [257]

— ***pseudohandelii*** (J.Fröhl.) S.Agnew & Vondr. – **TUR** [257], **UZB** [257], **TAD** [257]

— ***ruralis*** (Hedw.) F.Weber & D.Mohr (*Tortula ruralis* (Hedw.) P.Gaertn., B.Mey. & Scherb.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM**

[297], **AZE** [277], **KAZ** [156, 295, 296, 356], **TUR** [295, 296], **UZB** [295, 296], **TAD** [294, 295, 296], **KYR** [295, 296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [67]

— ***ruralis*** var. ***ruraliformis*** (Besch.) Delogne (*S. ruraliformis* (Besch.) Cardot, *S. ruralis* var. *arenicola* J.J.Amann, *nom. illeg., Tortula ruraliformis* (Besch.) Ingham) – **LAT** [1], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: C [345], KLN [309], **GEO** [117, 257], **ARM** [297], **AZE** [277], **KAZ** [159], **TUR** [368], **TAD** [257, 294, 295], **KYR** [257, 296, 351]

— ***ruralis*** var. ***subpapillosissima*** (Bizot & R.B.Pierrot) R.H.Zander – **GEO** [257],

— ***sinensis*** (Müll.Hal.) Ochyra (*Tortula sinensis* (Müll.Hal.) Broth.) – **UKR**: C [66, 413], K [328], **RUS-EUR**: CAUC [212, 231, 248], **GEO** [117, 207], **ARM** [297], **AZE** [277], **KAZ** [393], **TUR** [296], **TAD** [294, 295], **KYR** [267, 296], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 386], S-FE [76, 212]

— ***submontana*** (Broth.) Ochyra – **TAD** [295], **KYR** [257, 296]

— ***virescens*** (De Not.) Ochyra (*Tortula virescens* (De Not.) De Not., *T. pulvinata* (Jur.) Limpr.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: KLN [309], C [207, 345], S-UR [207, 212], SE [207], CAUC [232], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [393], **TUR** [296], **TAD** [295], **KYR** [296, 351]

Taxiphyllum M.Fleisch. [*Hypnaceae]

— ***alternans*** (Cardot) Z.Iwats. – **RUS-AS**: S-FE [76]

— ***aomoriense*** (Besch.) Z.Iwats. – **RUS-AS**: S-FE [76, 77, 109, 212]

— ***densifolium*** (Lindb. ex Broth.) Reimers – **RUS-EUR**: CAUC [208, 212, 232], **GEO** [117], **AZE** [277]

— ***taxirameum*** (Mitt.) M.Fleisch. – **RUS-AS**: S-FE [76, 212]

— ***wissgrillii*** (Garov.) Wijk & Margad. – **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 407], KLN [309], C [207, 212, 345], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: S-SIB [70, 212], YAK [239]

Tayloria Hook. [Splachnaceae]

— ***acuminata*** Hornsch. – **RUS-EUR**: ARC [47], NE [415], CAUC [248], **KAZ** [157, 159], **TAD** [294, 296], **KYR** [296], **RUS-AS**: ARC-ESIB [39, 212], S-SIB [69, 70, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40]

— ***froelichiana*** (Hedw.) Mitt. ex Broth. – **GEO** [102], **KAZ** [157, 159, 356], **RUS-AS**: S-SIB [69, 70, 212], ARC-FE [40], N-FE [40]

— ***hornschuchii*** (Grev. & Arn.) Broth. – **RUS-AS**: ARC-FE [40, 212], **KAZ** [157]

— ***lingulata*** (Dicks.) Lindb. – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], N-UR [90, 150, 212], CAUC [55, 212], **TAD** [295], **RUS-AS**: ARC-WSIB [136], ARC-WSIB [47, 136], ARC-ESIB [275], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40, 140]

— ***serrata*** (Hedw.) Bruch et al. – **UKR**: C [66], **RUS-EUR**: NW [207], S-UR [150, 207, 212], CAUC [212, 231, 248], **KAZ** [157, 296, 356], **TAD** [294, 296], **KYR** [296], **RUS-AS**: N-FE [40]

— ***splachnoides*** (Schleich. ex Schwägr.) Hook. – **RUS-EUR**: NW [364, 407], S-UR [150, 207, 212], CAUC [248], **GEO** [31], **RUS-AS**: ARC-YAK [47, 239], N-FE [140] + MID-AS [296]

— ***tenuis*** (Dicks. ex With.) Schimp. (*T. serrata* var. *tenuis* (Dicks.) Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [150, 415], NW [207, 212, 364, 407], C [207], NE [415], N-UR [207], S-UR [207], **KAZ** [157, 296, 356], **KYR** [296, 351], **RUS-AS**: S-SIB [69, 70], E-SIB [69], ARC-YAK [47, 212, 239], ARC-FE [40]

Tetraphis Hedw. [Tetraphidaceae]

— ***geniculata*** Girg. ex Milde – **RUS-AS**: S-FE [76, 77, 109, 212, 275]

— ***pellucida*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 208, 212, 231], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [295], **RUS-AS**: W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], YAK [212, 239], N-FE [40, 94, 140], S-FE [76, 77, 109, 212]

Tetraplodon Bruch et al. [Splachnaceae]
— ***angustatus*** (Hedw.) Bruch et al. – **LAT** [3], **UKR**: C [66], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [212, 288, 415], C [207, 212], N-UR [90, 150, 415], S-UR [150, 207, 212], CAUC [55, 212], **KAZ** [296, 356], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], YAK [212, 239], ARC-FE [40], N-FE [140, 237], S-FE [109, 212, 221]
— ***mnioides*** (Hedw.) Bruch et al. – **EST** [237], **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], N-UR [150, 207, 212], S-UR [150, 207, 212], **KAZ** [296, 356], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 212, 221]
— ***pallidus*** I.Hagen – **RUS-EUR**: ARC [150], **RUS-AS**: ARC-ESIB [212], E-SIB [126, 212], ARC-FE [40], N-FE [40]
— ***paradoxus*** (R.Br.) I.Hagen – **RUS-EUR**: ARC [47, 150, 415], N-UR [150], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], S-SIB [70, 212], E-SIB [126, 212], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40], N-FE [40]
— ***urceolatus*** (Hedw.) Bruch et al. – **RUS-EUR**: ?NE [415], CAUC [231], **GEO** [102, 117], **KAZ** [159], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [212], S-SIB [70, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40, 140] + MID-AS [296]
Tetrodontium Schwägr. [Tetraphidaceae]
— ***brownianum*** (Dicks.) Schwägr. – **UKR**: C [66], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [69], YAK [239]
— ***ovatum*** (Funck) Schwägr. – **UKR**: C [413] — {190}
— ***repandum*** (Funck) Schwägr. – **RUS-EUR**: NW [82], **GEO** [14, 117], **RUS-AS**: S-FE [115, 212, 221]
Thamnium see *Thamnobryum*
Thamnobryum Nieuwl. [Neckeraceae]
— ***alopecurum*** (Hedw.) Gang. – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207], KLN [309], CAUC [55, 208, 212, 232, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: N-FE [140]
— ***coreanum*** (Cardot) Nog. & Z.Iwats. – **RUS-AS**: S-FE [78, 312]
— ***neckeroides*** (Hook.) E.Lawton – **RUS-AS**: S-SIB [70, 212], E-SIB [69, 212, 275], S-FE [76, 212]
— ***plicatulum*** (Sande Lac.) Z.Iwats. – **RUS-AS**: S-FE [76, 109, 212]
— ***subseriatum*** (Mitt. ex Sande Lac.) B.C.Tan (*T. sandei* (Besch.) Z.Iwats.) – **RUS-AS**: S-FE [76, 77, 212]
— ***vorobjovii*** (Laz.) Ochyra – **RUS-AS**: S-FE [76, 212]
Thuidium Bruch et al. [Thuidiaceae], see also *Abietinella abietina, Bryonoguchia molkenboeri, Pelekium minutulum, P. pygmaeum, P. versicolor, Rauiella fujisana* — {191}
— ***assimile*** (Mitt.) A.Jaeger (*T. philibertii* Limpr.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [150, 415], NW [207, 407], NE [207, 212], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 296, 356], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212] — {192}
— ***cymbifolium*** (Dozy & Molk.) Dozy & Molk. – **RUS-AS**: S-FE [76, 212]
— ***delicatulum*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: NW [207, 407], NE [207, 415], KLN [309], C [207, 212, 345], S-UR [150, 212], SE [366], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [212, 275], YAK [239], S-FE [76, 77, 212]
— ***kanedae*** Sakurai – **RUS-AS**: S-FE [76, 77]
— ***pristocalyx*** (Müll.Hal.) A.Jaeger (*T. glaucinum* (Mitt.) Bosch & Sande Lac.) – **RUS-AS**: S-FE [76, 212]
— ***recognitum*** (Hedw.) Lindb. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [90, 150, 207, 212], S-UR [150, 207, 212], SE [207], CAUC [55, 212, 232,

248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159], **KYR** [296], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [40, 140]

— ***subglaucinum*** Cardot – **RUS-AS**: S-FE [116]

— ***submicropteris*** Cardot – **RUS-AS**: S-FE [76, 212]

— ***tamariscinum*** (Hedw.) Bruch et al. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **RUS-EUR**: NW [207], KLN [309], C [207], ?S-UR [150], CAUC [55, 208, 212], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: S-FE [77, 109, 212] — {193}

— ***thermophilum*** Czernyadjeva – **RUS-AS**: N-FE [142]

Timmia Hedw. [Timmiaceae]

— ***austriaca*** Hedw. (*T. austriaca* var. *arctica* (Lindb.) Arnell) – **UKR**: C [66], **RUS-EUR**: ARC [47, 127, 150], NW [212, 364, 407], NE [207, 212, 415], N-UR [150, 212], S-UR [150, 207], CAUC [22], **GEO** [117], **ARM** [297], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 197], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140]

— ***bavarica*** Hessl. – **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [364, 407], NE [207, 212, 415], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 296, 356], **TUR** [296], **TAD** [267, 294, 296], **KYR** [267, 296, 349], **UZB** [267], **RUS-AS**: ARC-WSIB [136], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [40], S-FE [37, 114, 212]

— ***comata*** Lindb. & Arnell – **RUS-EUR**: ARC [47, 150], NW [364, 407], NE [212, 415], N-UR [150, 207, 212, 415], S-UR [177], CAUC [22], **GEO** [117], **RUS-AS**: ARC-ESIB [164, 212, 275], W-SIB [307], S-SIB [69, 70, 212, 275], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [140]

— ***megapolitana*** Hedw. – **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [328], **RUS-EUR**: NW [207], NE [207, 212, 415], C [207, 212, 345], N-UR [90, 207], S-UR [150, 207], SE [207], **GEO** [117], **ARM** [297], **TUR** [11], **RUS-AS**: ARC-ESIB [212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 239], YAK [212, 239], N-FE [140], S-FE [76, 212, 221] — {194}

— ***norvegica*** J.E.Zetterst. – **RUS-EUR**: ARC [47, 150], NE [415], CAUC [55, 212], **GEO** [117], **KAZ** [159, 296, 356], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [212, 386], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], S-FE [77, 212, 221]

— ***sibirica*** Lindb. & Arnell – **RUS-AS**: ARC-ESIB [39, 164, 212], E-SIB [212, 275], YAK [239], ARC-FE [40, 212]

Timmiella (De Not.) Limpr. [Pottiaceae]

— ***anomala*** (Bruch & Schimp.) Limpr. – **GEO** [28, 31], **RUS-EUR**: NE [416], **TAD** [294, 295], **RUS-AS**: S-SIB [69, 70, 212], S-FE [30, 76]

— ***barbuloides*** (Brid.) Mönk. (?*T. corniculata* (Wahlenb.) Broth.) – **TUR** [267, 368], **RUS-AS**: N-FE [140] — {195}

Tomentypnum Loeske [*Amblystegiaceae]

— ***falcifolium*** (Renauld ex Nichols) Tuom. – **RUS-AS**: S-SIB [255], E-SIB [212, 386], YAK [212, 239], ARC-FE [40, 212]

— ***nitens*** (Hedw.) Loeske – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [248], **GEO** [117], **ARM** [297], **KAZ** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [37, 212]

Tortella (Müll.Hal.) Limpr. [Pottiaceae]

— ***alpicola*** Dixon – **RUS-EUR**: NE [166], N-UR [325], S-UR [325], CAUC [231], **UZB** [325], **KYR** [325], **RUS-AS**: ARC-ESIB [164, 325], S-SIB [325], E-SIB [163], YAK [239, 325], ARC-FE [325], N-FE [161], S-FE [114]

— ***arctica*** (Arnell) Crundw. & Nyholm – **RUS-AS**: ARC-ESIB [164, 212], E-SIB [126, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-ESIB [50], ARC-FE [40, 212], N-FE [140]

— ***bambergeri*** (Schimp.) Broth. – **RUS-EUR**: CAUC [226]
— ?*brotheri* (Lindb. ex Broth.) Broth. – **GEO** [102] — {196}
— ***flavovirens*** (Bruch) Broth. – **RUS-EUR**: CAUC [232]
— ***fragilis*** (Hook. & Wilson) Limpr. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: K [328], **RUS-EUR**: ARC [47, 150, 415], NW [212, 273, 364, 407], NE [207, 212], C [212, 304], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296, 356], **TUR** [296], **TAD** [294, 295], **KYR** [267, 296, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [77, 109, 212] — {197}
— ***humilis*** (Hedw.) Jenn. – **UKR**: C [66, 413], M [66], K [66, 328], **RUS-EUR**: S-UR [150], **GEO** [102]
— ***inclinata*** (R.Hedw.) Limpr. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NE [415], S-UR [91], CAUC [226], **GEO** [117], **AZE** [277], **TAD** [295], **RUS-AS**: S-SIB [69, 70], ARC-YAK [47, 36], YAK [239]
— ***nitida*** (Lindb.) Broth. – **KAZ** [59]
— ***rigens*** Alberts. – **EST** [237]
— ***tortuosa*** (Hedw.) Limpr. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], NE [207, 212, 415], C [207, 212, 345], N-UR [150, 207, 212], S-UR [150, 207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 267, 296, 356], **TUR** [295], **TAD** [294, 295], **KYR** [267, 296, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]

Tortula Hedw. [Pottiaceae], see also *Syntrichia laevipila, S. ruralis, S. virescens*, etc., *Hilpertia velenovskyi*

— ***acaulon*** (With.) R.H.Zander (*Phascum cuspidatum* Hedw., *P. piliferum* Hedw.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207], KLN [309], C [207, 212, 345], N-UR [150], S-UR [150, 207], SE [207, 212], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [267, 296], **UZB** [296], **TAD** [294, 295], **KYR** [296, 349, 351], **RUS-AS**: W-SIB [265], S-SIB [69], YAK [239], ARC-FE [40], N-FE [40]
— ***afanassievii*** Laz. – **TAD** [295]
— *altaica* Sakauova & Mamatkulov, nom. nud. – **KAZ** [296]
— ***altipes*** (Broth.) R.H.Zander – **TAD** [295], **KYR** [295]
— ***atrovirens*** (Sm.) Lindb. – **RUS-EUR**: CAUC [102, 212, 231, 248, 250], **GEO** [117], **ARM** [297], **TUR** [11, 296], **UZB** [295], **TAD** [295], **KYR** [296]
— ***brevissima*** Schiffn. – **TUR** [11, 296], **KYR** [351], **TAD** [295]
— ***canescens*** Mont. – **UKR**: C [66, 413], M [66], K [328], **ARM** [342], **TUR** [267, 296]
— ***caucasica*** Lindb. ex Broth. (*Pottia caucasica* (Lindb. ex Broth.) Paris) – **GEO** [102]
— ***cernua*** (Huebener) Lindb. (*Desmatodon cernuus* (Huebener) Bruch et al.) – **LAT** [3], **UKR**: M [66], **RUS-EUR**: NW [85, 212, 364], C [207], **KAZ** [295], **TAD** [295], **KYR** [296, 351], **RUS-AS**: S-SIB [69, 70, 212], E-SIB [163], ARC-YAK [47, 239], YAK [239], ARC-FE [40], N-FE [77, 140]
— ***cuneifolia*** (Dicks.) Turner – **BEL** [355], **UKR**: M [66], **KAZ** [157], **UZB** [295], **TAD** [294, 295], **KYR** [296]
— ***fiori*** (Venturi) G.Roth – **TUR** [11] — {197}
— ***grandiretis*** Broth. – **TUR** [296], **UZB** [267, 296, 385], **TAD** [296], **KYR** [296]
— ***hoppeana*** (Schultz) Ochyra (*Desmatodon latifolius* (Hedw.) Brid., *Tortula eurhyphylla* R.H.Zander – **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150, 415], NW [212, 273, 364, 407], C [207, 345], N-UR [150, 207, 212, 415], S-UR [150, 207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [296, 356], **TAD** [294, 295], **UZB** [267], **KYR** [296, 349, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [39, 164], S-SIB [69, 70, 212], E-SIB [69], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [114, 212, 221]
— ***inermis*** (Brid.) Mont. (*Syntrichia inermis* (Brid.) Bruch) – **UKR**: K [328], **RUS-EUR**: S-UR [150], CAUC [231, 232, 250], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [393], **TUR** [267, 295, 296], **UZB** [267, 296], **TAD** [294, 295], **KYR** [267, 296, 349, 351]

— ***lanceola*** R.H.Zander (*Pottia lanceolata* (Hedw.) Müll.Hal.) – **LTV** [244], **EST** [237], **BEL** [355], **UKR**: C [66, 413], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: KLN [309], C [207, 345], SE [207, 212, 377], CAUC [232], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157], **TUR** [296]
— ***laureri*** (Schultz) Lindb. (*Desmatodon laureri* (Schultz) Bruch et al.) – **KAZ** [157, 296, 356], **TAD** [295], **KYR** [296], **RUS-AS**: ARC-ESIB [246], S-SIB [69, 70, 212], E-SIB [163], ARC-YAK [47, 239], ARC-FE [40, 212]
— ***lazarenkoi*** L.I.Savicz – **TUR** [296], **TAD** [295], **KYR** [267, 295, 296]
— ***leucostoma*** (R.Br.) Hook. & Grev. (*Desmatodon leucostoma* (R.Br.) Berggr., *D. suberectus* (Drumm.) Limpr.) – **RUS-EUR**: ARC [47, 150, 415], **KAZ** [296, 356], **TAD** [294, 295], **KYR** [296], **RUS-AS**: ARC-ESIB [164, 212], S-SIB [70, 212], E-SIB [163], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [40]
— ***lindbergii*** Kindb. (*Pottia lindbergii* (Kindb.) Warnst.) – **GEO** [102]
— ***lingulata*** Lindb. – **LAT** [3], **EST** [237], **UKR**: M [66], **RUS-EUR**: NW [207], C [207], CAUC [248], **GEO** [117], **TAD** [294]
— ***marginata*** (Bruch et al.) Spruce (*Desmatodon meridionalis* Luisier) – **TAD** [34, 295]
— ***modica*** R.H.Zander (*Pottia intermedia* (Turner) Fürnr.)- **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207], KLN [309], C [207, 345], S-UR [150, 207], SE [207], **GEO** [117], **RUS-AS**: W-SIB [265], S-SIB [424]
— ***mucronifolia*** Schwägr. – **UKR**: M [66], K [66, 328], **RUS-EUR**: ARC [47, 150], NW [364, 407], NE [207, 212, 415], C [207, 212, 345], N-UR [90, 150, 207], S-UR [150, 207], SE [207, 212], CAUC [55, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [156, 159, 296], **TUR** [296], **TAD** [294, 295], **KYR** [267, 296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76]
— ***muralis*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207], NE [207, 212], KLN [309], C [207, 212], S-UR [150, 207], SE [207, 212], CAUC [208, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [159, 295, 296], **TUR** [295, 296], **TAD** [294, 295], **KYR** [267, 296, 351], **RUS-AS**: S-SIB [69, 70], E-SIB [162], YAK [239]
— ***muralis*** var. ***aestiva*** Hedw. – **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: C [207, 212], N-UR [207], S-UR [207, 212], CAUC [231], **GEO** [117], **ARM** [297], **AZE** [277], **TUR** [295, 296], **TAD** [295], **KYR** [296], **RUS-AS**: YAK [239]
— ***obtusifolia*** (Schwägr.) Mathieu – **LTV** [244], **RUS-EUR**: C [207, 212], S-UR [150, 207], CAUC [102], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157], **UZB** [267, 295, 296], **TAD** [294, 295], **KYR** [267, 296], **RUS-AS**: W-SIB [265], S-SIB [70, 212], E-SIB [126, 212], YAK [239], N-FE [40, 140]
— ***paulsenii*** Broth. – **TAD** [295]
— ***protobryoides*** R.H.Zander (*Pottia bryoides* (Dicks.) Mitt., *Protobryum bryoides* (Dicks.) J.Guerra & M.J.Cano) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], M [66], **MLD** [367], **RUS-EUR**: NW [207], NE [415], KLN [309], C [207, 345], S-UR [150, 207], SE [207, 212], **ARM** [297], **AZE** [277], **TUR** [296], **TAD** [294, 295], **KYR** [349, 351]
— ***raddei*** Broth. – **TUR** [295], **TAD** [295]
— ***randii*** (Kenn.) R.H.Zander (*Desmatodon oxneri* Laz., *D. randii* (Kenn.) Laz.) – **LAT** [3], **EST** [237], **UKR**: M [66]
— ***revolutifolia*** Laz. – **TUR** [267, 295, 296], **UZB** [267, 295], **TAD** [295], **KYR** [267, 296]
— ***revolvens*** (Schimp.) G.Roth – **TUR** [296], **TAD** [295]
— ***subulata*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: KLN [309], C [207, 212, 345], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [157, 159, 296, 356], **TUR** [295, 296], **UZB** [295, 296], **TAD** [294, 295, 296], **KYR** [267, 296]
— ***systylia*** (Schimp.) Lindb. (*Desmatodon systylius* Schimp.) – **RUS-EUR**: CAUC [212, 231], **GEO** [117], **KAZ** [157], **TAD** [295], **KYR** [296, 351], **RUS-AS**: S-SIB [69, 70, 197, 212], ARC-YAK [47, 239], YAK [239], ARC-FE [40, 212], N-FE [140]

— ***thianschanica*** Broth. – **KAZ** [59], **TUR** [296], **UZB** [385], **TAD** [294, 295], **KYR** [267, 295, 296]
— ***trachyphylla*** Broth. (*Semibarbula trachyphylla* (Broth.) Laz. ex Mamatkulov) – **TUR** [267, 296], **KAZ** [59], **UZB** [296], **TAD** [294, 295, 296], **KYR** [296] — {198}
— ***transcaspica*** Broth. – **TUR** [295, 296], **UZB** [385], **TAD** [295]
— ***truncata*** (Hedw.) Mitt. (*Pottia truncata* (Hedw.) Bruch et al.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207, 407], NE [207, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207], SE [207], CAUC [55, 212, 232], **GEO** [117], **AZE** [277], **RUS-AS**: ARC-ESIB [164], W-SIB [265, 275], S-SIB [431], S-FE [76, 212]
— ***ucrainica*** (Laz.) R.H.Zander (*Desmatodon ucrainicus* Laz.) – **UKR**: M [66], **RUS-AS**: ?S-FE [76]
— ***vahliana*** (Schultz) Mont. – **AZE** [429]

Trachycystis Lindb. [Mniaceae]
— ***flagellaris*** (Sull. & Lesq.) Lindb. – **RUS-AS**: N-FE [94, 140], S-FE [76, 77, 109, 212]
— ***microphyllus*** (Dozy & Molk.) Lindb. – **RUS-AS**: S-FE [76, 212]
— ***ussuriensis*** (Maack & Regel) T.J.Kop. – **RUS-EUR**: CAUC [55, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], **RUS-AS**: S-SIB [69, 197, 212], E-SIB [70, 212], YAK [239], ARC-FE [40], N-FE [140], S-FE [76, 109, 212]

Trematodon Michx. [Bruchiaceae]
— ***ambiguus*** (Hedw.) Hornsch. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: M [66], **RUS-EUR**: NW [207, 273, 364, 407], NE [90, 207, 212, 416], KLN [309], C [207, 212, 345], CAUC [231], **GEO** [117], **RUS-AS**: ARC-FE [40], N-FE [40, 140], S-FE [76, 77, 110]
— ***brevicollis*** Hornsch. – **RUS-EUR**: NW [364], **KAZ** [104], **KYR** [104, 296], **RUS-AS**: S-SIB [69, 70]
— ***longicollis*** Michx. – **RUS-AS**: N-FE [235], S-FE [212, 221]

Trichodon see *Ditrichum cylindricum*

Trichostomopsis see *Didymodon*

Trichostomum Bruch [Pottiaceae], see also *Oxystegus tenuirostris*
— ***arcticum*** Kaal. – **RUS-AS**: ARC-ESIB [164, 212], S-SIB [69, 70, 212], E-SIB [69, 212], ARC-YAK [47, 239], YAK [212, 239], ARC-FE [40], N-FE [40, 94]
— ***brachydontium*** Bruch – **EST** [396], **UKR**: C [66], K [66, 328], **RUS-EUR**: CAUC [208, 212, 232, 248], **GEO** [117], **RUS-AS**: S-FE [340] — {199}
— ***connivens*** (Lindb. ex Broth.) Paris – **RUS-EUR**: CAUC [102], **GEO** [117]
— ***crispulum*** Bruch (*T. brevifolium* Sendtn. ex Müll.Hall., *T. viridulum* Bruch) – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], K [66, 328], **RUS-EUR**: NW [207], NE [207, 212, 415], C [207, 212, 345], N-UR [90, 150, 207, 212], S-UR [207, 212], SE [207], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **TAD** [294, 295], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], E-SIB [163, 275], YAK [239], ARC-FE [40], N-FE [40], S-FE [76, 212]
— ***triumphans*** De Not. (*Weissia triumphans* (De Not.) M.O.Hill) – **TUR** [11, 296]
— ***viridulum*** Bruch – **UKR**: C [66], K [66, 328], **AZE** [277]

Tuerckheimia svihlae (E.B.Bartram) R.H.Zander – excluded — {200}

Ulota D.Mohr [Orthotrichaceae]
— ***bruchii*** Hornsch. ex Brid. – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], **RUS-EUR**: KLN [309]
— ***coarctata*** (P.Beauv.) Hammar – **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66, 413], M [66, 148], **RUS-EUR**: KLN [309], CAUC [55, 212]
— ***crispa*** (Hedw.) Brid. (*U. crispula* Bruch ex Brid.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [100, 207, 212], KLN [309], C [207, 212], CAUC [55, 208, 212, 231, 248], **GEO** [117], **ARM** [297], **KAZ** [296, 356], **RUS-AS**: S-SIB [70, 212, 217], E-SIB [74, 212, 247], N-FE [140], S-FE [76, 77, 109, 212]
— ***curvifolia*** (Wahlenb.) Lilj. – **EST** [237], **RUS-EUR**: ARC [47, 150], NW [212, 273, 364, 407], N-UR [150, 212, 416], S-UR [150, 207], CAUC [248], **ARM** [297], **KAZ** [296, 356], **RUS-AS**: S-SIB [69, 70, 212, 217], E-SIB [69, 212], YAK [239], ARC-FE [40, 212], N-FE [40, 94, 95], S-FE [212, 221]
— ***drummondii*** (Hook. & Grev.) Brid. – **LAT** [4], **EST** [237], **UKR**: C [66, 413], **RUS-AS**: N-FE [140], S-FE [76, 77, 109]
— ***hutchinsiae*** (Sm.) Hammar (*U. americana* (P. Beauv.) Limpr.) – **EST** [396], **UKR**: C [66], **RUS-EUR**:

NW [407], CAUC [55, 212], **AZE** [277], **RUS-AS**: S-SIB [70, 212, 217]
— ***japonica*** (Sull. & Lesq.) Mitt. – **RUS-AS**: S-FE [77, 109]
— ***phyllantha*** Brid. – **RUS-EUR**: NW [364]
— ***rehmannii*** Jur. – **UKR**: C [66, 413], **GEO** [117], **RUS-AS**: S-SIB [197, 212, 217]
— ***reptans*** Mitt. – **RUS-AS**: S-FE [212, 221]
Vesicularia (Müll.Hal.) Müll.Hal. [*Hypnaceae]
— ***flaccida*** (Sull. & Lesq.) Z.Iwats. – **RUS-AS**: S-FE [76, 212]
Voitia Hornsch. [Splachnaceae]
— ***hyperborea*** Grev. & Arn. – **RUS-EUR**: ARC [47, 341], **RUS-AS**: ARC-FE [40]
— ***nivalis*** Hornsch. – **TAD** [296], **KYR** [296, 351], **RUS-AS**: S-SIB [69, 70, 212]
Warnstorfia Loeske [Calliergonaceae] — {165}
— ***exannulata*** (Bruch et al.) Loeske (*Drepanocladus exannulatus* (Bruch et al.) Warnst., *Sarmentypnum exannulatum* (Bruch et al.) Hedenäs) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 156, 356], **TAD** [267, 294, 296], **KYR** [296, 351], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 70, 212], E-SIB [69, 212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [76, 77, 109, 212]
— ***fluitans*** (Hedw.) Loeske (*Drepanocladus fluitans* (Hedw.) Warnst., *D. h-schulzei* (Limpr.) Loeske, *D. kurilensis* Smirnova, *Warnstorfia fluitans* var. *falcata* (Sanio ex C.E.O.Jensen) H.A.Crum & L.E.Anderson, *W. h-schulzei* (Limpr.) Loeske, *W. kurilensis* (Smirnova) Schljakov) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], **RUS-EUR**: ARC [47, 127, 150], NW [207, 212, 364, 407], NE [207, 212, 415], KLN [309], C [207, 212], N-UR [150, 207], S-UR [150, 207, 212], SE [207, 212], CAUC [55, 212, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [158, 296, 356], **TAD** [294, 296], **KYR** [296], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [69, 212], E-SIB [69], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [77, 109, 212, 369]
— ***procera*** (Renauld & Arnell) Tuom. (*Drepanocladus procerus* (Renauld & Arnell) Warnst., *Sarmentypnum procerum* (Renauld & Arnell) Hedenäs) – **EST** [237], **RUS-EUR**: NW [87, 273, 407], **RUS-AS**: ARC-ESIB [212, 263], ARC-FE [40]
— ***pseudosarmentosa*** (Cardot & Thér.) Tuom. & T.J. Kop. (*Sarmentypnum pseudosarmentosum* (Cardot & Thér.) Hedenäs) – **RUS-AS**: ARC-FE [40]
— ***pseudostraminea*** (Müll.Hal.) Tuom. & T.J.Kop. (*Drepanocladus pseudostramineus* (Müll.Hal.) G.Roth) – **UKR** [66], **RUS-EUR**: ARC [47, 150], NW [212, 273, 291, 364], NE [414], C [207, 212], N-UR [150, 207, 212], S-UR [150, 207, 212], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212], W-SIB [212, 265], S-SIB [197, 212], ARC-YAK [47, 239], ARC-FE [40], N-FE [40, 140]
— ***sarmentosa*** (Wahlenb.) Hedenäs (*Calliergon sarmentosum* (Wahlenb.) Kindb., *Sarmentypnum sarmentosum* (Wahlenb.) Tuom. & T.J.Kop.) – **RUS-EUR**: ARC [47, 127, 150], NW [212, 273, 364, 407], NE [207, 212, 415], N-UR [150, 207, 212], S-UR [150], ?CAUC [231], **KAZ** [356], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], W-SIB [265], S-SIB [69, 70, 212], E-SIB [212, 275], ARC-YAK [47, 212, 239], YAK [212, 239], ARC-FE [40, 212], N-FE [94, 140], S-FE [212, 221]
— ***trichophylla*** (Warnst.) Tuom. & T.J.Kop. (*Drepanocladus trichophyllus* (Warnst.) Podp., *Sarmentypnum trichophyllum* (Warnst.) Hedenäs) – **LAT** [3], **EST** [237], **RUS-EUR**: NW [61, 364, 407], NE [288], **RUS-AS**: ARC-WSIB [136], YAK [239], S-FE [245]
— ***tundrae*** (Arnell) Loeske (*Drepanocladus tundrae* (Arnell) Loeske, *Sarmentypnum tundrae* (Arnell) Hedenäs) – **LTV** [244], **LAT** [3], **EST** [237], **RUS-EUR**: ARC [47], NW [212, 364, 407], **RUS-AS**: ARC-WSIB [136], ARC-ESIB [164, 212, 275], S-SIB [69, 70], E-SIB [275], ARC-YAK [239], YAK [212, 239], ARC-FE [40], N-FE [140], S-FE [212, 221]
Weissia Hedw. [Pottiaceae]
— ***brachycarpa*** (Nees & Hornsch.) Jur. (*Hymenostomum microstomum* (Hedw.) R.Br. ex Nees & Horn-

sch.) – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: KLN [309], C [207, 212, 345], S-UR [150, 207, 212], SE [207], CAUC [55, 102, 212, 231, 248], **GEO** [102, 117], **ARM** [297], **KAZ** [157, 159, 393], **TUR** [295], **TAD** [294, 295], **KYR** [296], **RUS-AS**: ARC-ESIB [164], W-SIB [265], S-SIB [69, 70, 212], S-FE [76, 212]

— ***condensa*** (Voit) Lindb. (*W. tortile* (Schwägr.) Müll.Hal.) – **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: CAUC [102, 212, 231], **GEO** [102, 117], **ARM** [297], **AZE** [277], **KAZ** [157, 159, 296], **TUR** [267, 296], **TAD** [295], **KYR** [267, 296, 351], **RUS-AS**: S-SIB [70, 212]

— ***controversa*** Hedw. – **LTV** [244], **LAT** [3], **EST** [237], **BEL** [355], **UKR**: C [66], M [66], K [66, 328], **RUS-EUR**: NW [207], KLN [309], C [207, 212, 345], S-UR [91, 150, 207, 212], SE [207], CAUC [212, 231, 248], **GEO** [117], **ARM** [297], **AZE** [277], **KAZ** [23, 157, 159], **TUR** [296], **TAD** [294, 295], **KYR** [296, 351], **RUS-AS**: W-SIB [265], S-SIB [69, 70, 212], ARC-FE [40], N-FE [140], S-FE [76, 77, 212]

— ***edentula*** Mitt. – **RUS-AS**: S-FE [212, 221]

— ***exserta*** (Broth.) P.C.Chen – **TUR** [296], **TAD** [295], **RUS-AS**: S-SIB [197, 212], E-SIB [162]

— ***fallax*** Sehlm. (*W. controversa* var. *crispata* (Nees & Hornsch.) Nyholm) – **UKR**: M [66], K [66, 328], **MLD** [367], **RUS-EUR**: CAUC [248], **GEO** [117], **AZE** [277], **ARM** [342], **TAD** [295]

— ***krassavinii*** (Laz.) Laz. ex Ochyra – **KAZ** [393], **TUR** [296], **TAD** [294, 295], **KYR** [267, 296]

— ***levieri*** (Limpr.) Kindb. (*Astomum levieri* Limpr.) – **UKR**: [66], K [328], **MLD** [367], **RUS-EUR**: C [207], SE [207], CAUC [232], **GEO** [117], **ARM** [297]

— ***longifolia*** Mitt. (*Astomum crispum* (Hedw.) Hampe) – **UKR**: C [66], M [66], K [66, 328], **MLD** [367], **RUS-EUR**: NW [207], C [207, 212, 345], S-UR [150, 207], SE [207], CAUC [231], **GEO** [102, 117], **ARM** [297], **RUS-AS**: S-SIB [338]

— ***papillosissima*** Laz. – **TUR** [296], **TAD** [295]

— ***planifolia*** Dixon (*W. platyphylla* Broth.) – **RUS-AS**: S-FE [76]

— ***rostellata*** (Brid.) Lindb. – **UKR**: C [66, 413], **RUS-EUR**: SE [207], CAUC [231]

— ***rutilans*** (Hedw.) Lindb. – **UKR**: C [66, 413], M [66], **RUS-EUR**: S-UR [150, 373], **GEO** [117], **TAD** [295], **RUS-AS**: S-FE [76, 212]

— ***squarrosa*** (Nees & Hornsch.) Müll.Hal. (*Hymenostomum squarrosum* Nees & Hornsch.) – **LTV** [244], **EST** [237], **RUS-EUR**: S-UR [207]

— ***tyrrhena*** M.Fleisch. – **TUR** [267, 295, 296], **TAD** [294, 295], **KYR** [267, 296]

— ***wimmeriana*** (Sendtn.) Bruch et al. (*W. controversa* var. *wimmeriana* (Sendtn.) Blockeel & A.J.E.Sm.) – **RUS-EUR**: NW [364], CAUC [212, 231], **GEO** [102], **ARM** [297], **TUR** [296], **RUS-AS**: S-SIB [212, 334]

Zygodon Hook. & Taylor [Orthotrichaceae]

— *conoideus* (Dicks.) Hook. & Taylor – excluded — {201}

— ***dentatus*** (Limpr.) Kartt. (*Z. viridissimus* var. *dentatus* Limpr.) – **UKR**: C [403], **GEO** [117]

— ***rupestris*** Schimp. ex Lorentz (*Z. viridissimus* var. *rupestris* Hartm.) – **LTV** [244], **LAT** [3], **UKR**: C [403], K [328, 403], **RUS-EUR**: NW [407], CAUC [232, 250] — {200}

— ***sibiricus*** Ignatov, Ignatova, Z.Iwats. & B.C.Tan – **RUS-EUR**: NE [414], C [207, 212, 343], N-UR [150], S-UR [150, 207], **RUS-AS**: ARC-WSIB [265*], S-SIB [210, 212], E-SIB [210, 212], YAK [239], N-FE [140*], S-FE [114, 210, 212, 221] — {200}

— ***viridissimus*** (Dicks.) Brid. – **LTV** [244], **LAT** [3], **EST** [237], **UKR**: C [66], K [66, 328], **RUS-EUR**: CAUC [18, 102], **GEO** [117], **AZE** [277], **RUS-AS**: S-FE [76] — {202}

ANNOTATIONS

1. It seems that numerous records of *Aloina ericaefolia* in publications of the beginning of XX century belong in fact not to *A. ambigua,* but to *A. rigida.*
2. Abramova & Abramov [22] recorded *Anacamptodon splachnoides* for Irkutsk Province and Primorsky Territory; Bardunov & Cherdantseva [76] thought that in the latter region it is likely a misidentification of *A. latidens*; Czernyadjeva (unpubl.) referred both these Asian collections to *A. latidens.*
3. According to Schljakov [pers. comm.] his record of *Andreaea rothii* from S-UR maybe belongs to *A. heinemannii.*
4. Hill & al. [190] accepted *Anomobryum concinnatum* as a separate species, mainly because of strong differences in sporophyte structure; different authors in Russia are inconsistant in delimitation and distribution of *A. concinnatum* and *A. julaceum*, sometimes treating them as synonymous; revision of the whole material is obviously needed.
5. In synonymization of *Anomodon minor* ssp. *integerrimus* with *A. minor* we follow Granzow-de la Cerda [179] and Iwatsuki [242].
6. Virchenko [399] reidentified *Atractylocarpus alpinus* from Ukraine (where it was reported by Savicz-Lyubitskaya & Smirnova [361]) and Russian Far East (where it was reported by Bardunov & Cherdantseva [77]).
7. Smith [371] synonymized *Atrichum rhystophyllum* with *A. angustatum*; however Iwatsuki [242] kept them as separate species.
8. According to Cherdantseva (unpubl.), records of *Atrichum tenellum* from Primorsky Territory [76] are erroneous; some other records from the eastern limit of this species are also doubtful.
9. *Aulacomnium androgynum* was reported from Asian Russia only from Sakhalin by Sugawara [376]; this record has to be confirmed.
10. Molecular phylogenetic analysis of Pedersen & Hedenäs [331] revealed that *Bardunovia baicalensis* is very similar in sequences to *Platydictya*, thus Hedenäs & Pedersen [189] transferred it to the latter genus.
11. Corley & al. [121] put *Brachytheciastrum collinum* into the synonymy of *B. fendleri*, and some records of the latter species were published e.g. for Middle Asia; the real relationship of these two species, as well as the occurrence of *B. fendleri* outside North America needs further studies.
12. According to Ignatov (in prep.) plants called *Brachytheciastrum trachypodium* from Siberia and Middle Asia are not identical to the Central European ones and have to be separated to its own species.
13. Mamatkulov [294, 296] also reported for Tadjikistan *Brachythecium velutinum* var. *condensatum* Bruch et al.; this taxon is not accepted by recent European authors [e.g. 190].
14. New system for the family Brachytheciaceae has been suggested by Ignatov & Huttunen [205].
15. Hoffmann [191] synonymized *Brachythecium auriculatum* with *Palamocladium leskeoides*, however Ignatov & al. [215] demonstrated that this suggestion can not be accepted.
16. According to Cherdantseva (unpubl.), *Brachythecium campestre* was erroneously reported from the Russian Far East; Hedenäs [186] published useful discussion on the circumscription of this species.
17. *Brachythecium caucasicum* Thér. was described from Adzharia from a sterile specimen; it belongs to *B. salebrosum* complex, but study of additional material from that area is needed to understand its identity.
18. Record of *Brachythecium coruscum* from RUS-EUR: N-UR [230], also repeated in [150], is erroneous.
19. *Brachythecium erythrorrhizon* was reported from various parts of Asian Russia, but all revised specimens were found to be ssp. *asiaticum*; ssp. *erythrorrhizon* definitely occurs only in NW European Russia and Baltic countries; however a lot of material remains unrevised.

19a. *Brachythecium frigidum* is a North American species and its record from Kazakhstan seems to be doubtful.

20. Specimens identified as *Brachythecium wichurae* were found to belong to *B. complanatum*, a superficially similar species [215]; however the former species can be discovered in the Russian Far East; the earlier name for *B. wichurae* is *B. garovaglioides* Müll.Hal.
21. Records of *Brachythecium tommasinii* from RUS-EUR: NE [415] were found to be erroneous [90].
22. Recent molecular phylogenetic studies of *Bryum* revealed that this genus is not monophyletic; *Bryum* s. str. includes species around *B. argenteum, B. dichotomum* and *B. caespiticium*, while species around *B. capillare, B. pallens, B. pseudotriquetrum, B. purpurascens, B. wrightii* are more related to *Plagiobryum* and are better placed in this genus [332], and species of *B. alpinum* complex into *Imbribryum* N.Pedersen [330]; we think this will be accepted in the future, but here we retain *Bryum* s.l. because for quite many taxa we have no definite opinion to which genus they belong.
23. Many species of *Bryum* from East Europe and North Asia are known solely or almost only from the original collections; they include: *B. alexandri, B. altaicum, B. amblyphyllum, B. axillare, B. congestiflorum, B. crassimucronatum, B. cremocarpum, B. ehlei, B. enisseense, B. leucoglyphodon, B. microcalophyllum, B. mollifolium, B. mucronifolium, B. obtusidens, B. pallescens* var. *microblastum, B. pootonense, B. pallescens* var. *turkestanicum, B. pamirense, B. pamiromucronatum, B. pygmaeomucronatum, B. spinifolium, B. subcalophyllum, B. submucronatum, B. ter-*

skeiense, B. tesselatum, B. timmiostomoides, B. utriculatum, B. vernum, B. zemliae.

24. Recently Holyoak [192] synonymized *Bryum amblyodon* with *B. archangelicum*; however according to Zolotov [420] these species in Russia lack intermediates and can be accepted.
25. Recently Holyoak [192] synonymized *Bryum bryoides* and *B. purpurascens* with *B. arcticum*; however according to Zolotov [420] two latter species in Russia lack intermediates and can be accepted; *Bryum bryoides* is rare in Russia, preventing a final decision on this species.
26. Recently Holyoak [192] synonymized *Bryum axelblyttii* with *B. calophyllum*; however according to Zolotov [420] these species in Russia are rather well delimited and can be accepted.
27. Synonymy of *Bryum comense* was discussed by Hill et al. [190].
28. Dyachenko [151] reported *Bryum stirtonii* from Northern Ural and suggested that it is a good species, however Holyoak [192] considered it as a synonym of *B. elegans.*
29. *Bryum jeniseense* is an orthographical error in Ignatov & Afonina [199], Savicz-Lyubitskaya & Smirnova [361], etc.; correct name is *B. enisseense.*
30. Recently Holyoak [192] placed *Bryum nitidulum* into the synonymy of *B. intermedium*, but here two species are considered as separate ones.
31. The species status of *Bryum lapponicum* has been confirmed by Schljakov & Konstantinova [364], but they overlooked that the name is illegitimate and has to be replaced.
32. There is a disagreement between Holyoak [192] and Zolotov [418] on the species independence of *B. pallescens* and *B. lonchocaulon* (*B. cirrhatum*); some publications accept *B. pallescens* s.l. (incl. *B. cirrhatum*), they are included under both *B. pallescens* and *B. lonchocaulon* with asterisk.
33. According to the recent revision by Afonina [40], *Bryum neodamense* does not occur in RUS-AS: ARC-FE, where it has been reported [e.g. 38, 212]; Holyoak & Hedenäs [420] provided strong evidence for synonymization of these two species despite their large superficial difference.
34. *Bryum tardum* is a little known species, sometimes referred to the synonymy of *B. lonchocaulon*; the only record of *B. tardum* from RUS-EUR (NW [364]) is based on a specimen referred by Zolotov to *B. creberrimum. Bryum tenuisetum* was reported from the Baltic region by Düll [154], but we don't know any exact reference. *Bryum planiusculum* was synonymized with *B. turbinatum* by Zolotov [420]. Records of *Bryum turbinatum* from Chukotka were based on specimens reidentified by Schljakov and Zolotov as *B. schleicheri.*
35. According to Frisvoll [172] and Ignatova (unpubl.), all records of *Bucklandiella* (*Racomitrium*) *heterostichum* from the Asian Russia, Urals and Middle Asia [e.g. 76, 77, 90, 109, 150, 212, 296] were based on a broad concept of *B. heterosticha* (incl. *B. microcarpa* and *B. sudetica*), and belong now to other species.
36. The volume of the genus *Calliergonella* was expanded by Hedenäs [185]; all subsequent molecular phylogenetic data confirmed this suggestion.
37. Hedenäs [187] suggested that the *Campylium hispidulum* complex should be included in *Campylophyllum*; molecular phylogenetic analysis of Ignatov & al. [204] however supports an alternative suggestion of Ochyra & al. [316] who separate them as a genus of its own.
38. Old records of *Campylidium hispidulum* from Russia were based on the broad concept of this species; then Crundwell & Nyholm [124] then considered it as a North American species not occurring in Europe; later Hedenäs [187] found it in Japan; material from Asian Russia obviously needs special revision; differences between *C. hispidulum* and *C. sommerfeltii* are rather small, so American authors doubt the distinctness of these taxa [e.g. 122].
39. The generic placement of *Campylium longicuspis* was discussed by Hedenäs [183].
40. According to Hedenäs [187], *Campylium squarrosulum* is probably close to *Amblystegium radicale*, and should be better classified in that genus.
41. Many authors did not separate *Campylium stellatum* and *C. protensum*, so at least some records of *C. stellatum* should be referred to this species in the broad sense, e. g. including *C. protensum*.
42. The systematic position of *Campylostelium (Grimmia) pitardii* (=*Usmania campylopoda*) was discussed by Maier [279].
43. According to Ulychna [cf. 413] the only record of *Campylostelium strictum* in Ukraine is doubtful.
44. In taxomony and synonymy of *Ceratodon heterophyllus* we follow Burley & Pritchard [108].
45. *Cinclidium minutifolium* was synonymized with *C. latifolium* by Mogensen [300]; T. Koponen (in ‚Notae criticae' in H) supported this decision.
46. Specimen called *Claopodium crispifolium* in LE was reidentified by A.L.Abramova and V.Ya. Cherdantseva as *C. pellucinerve.*
47. Position of *Anomodon rostratus* within *Claopodium* has been discussed by Ignatov & al. [204].
48. Record of *Cnestum glaucescens* from S-UR [150] was erroneous [cf. 207].
49. All Asian records of *Codriophorus (Racomitrium) aciculare*, according to Bednarek-Ochyra [81], belong to other species.
50. Asian records of *Codriophorus (Racomitrium) aquaticus*, according to Bednarek-Ochyra [81], be-

long to other species.

51. There are several collections from Asian Russia that fit *Coscinodon humilis* Milde in gametophytic characters, but without sporophyte or careful comparison with plants with sporophytes this is only a preliminary identification.
52. *Ctenidium capillifolium* and *Neckeropsis nitidula* were reported from South Sakhalin only by Sugawara [376]; their occurrence has to be confirmed.
53. Records of *Ctenidium molluscum* from Urals [cf. 150] were not confirmed in the herbarium [cf. 207].
54. Preliminary revision of Ignatova (in prep.) of *Cynodontium asperifolium–C. fallax* complex demonstrates that all records of *C. fallax* from Asian Russia and Urals belong in fact to *C. asperifolium*; it seems that *C. fallax* occurs in Russia only in Caucasus.
55. Werner [409] demonstrated numerous differences between *Dichodontium pellucidum* and *D. flavescens*, supporting the status of separate species for the latter.
56. Systematic position of *Dicranella palustris* was revised by Stech [375] based on molecular data.
57. According to Ignatov (unpubl.) *Dicranella heteromalla* var. *curvipes* from Sakhalin and Kuriles is markedly different from *D. heteromalla* and has to be segregated as a separate species.
58. Records of *Dicranoweisia cirrata* from the Northern Russia and Urals [e.g. 150] seem to be erroneous: this species occurs in Russia only in Caucasus at Black Sea coast, on *Juniperus* and *Curpessus* [cf. 232].
59. *Dicranum orientale* from Siberia was described by Otnyukova [320] one year later than *D. dispersum* from Europe; these species were synonymized by Otnyukova & Ochyra [326].
60. *Dicranum tundrae* has been synonymized with *D. elongatum* by Savicz-Lyubitskaya & Smirnova [361], however Ignatova [224] found that this taxon may need further studies. *Dicranum atratum* Geh. was referred to *D. elongatum* by Savicz-Lyubitskaya & Smirnova [361].
61. Records of East Asian species *Dicranum hamulosum* and *Oncophorus crispifolius* from Kazakhstan [356] seem to be doubtful.
62. Many previous records of *Dicranum muehlenbeckii* belong to *D. brevifolium, D. dispersum,* etc., and the real range of this species is obviously more limited than those found from literature records.
63. The status of *Dicranum spadiceum* Zett. var. *subscabrifolium* Schljak. is probably higher than a variety [224], however its distribution is not well known; it occurs at least on Kola Peninsula, in Caucasus, Urals and South Siberia.
64. Records of *Dicranum spurium* from N-UR [150, 230] were found to be erroneous [207].
65. According to Virchenko (unpubl.), a record of *Dicranum viride* from Crimea [66] belongs in fact to *D. tauricum.*
66. There is a certain inconsistency in the circumscription of *Didymodon acutus* and *D. icmadophilus* between different authors, thus their distribution needs a major revision; many previous records of *D. acutus* were not confirmed [e.g. 207].
67. Schljakov [363] considered *Didymodon gorodkovii* as a species; the combination in the status of variety was published by Afonina: *Didymodon asperifolius* var. *gorodkovii* (Abramova & I.I.Abramov) Afonina, Problemy Bryologii 13, 1989 (basionym: *Didymodon rufus* var. *gorodkovii* Abramova & I. I. Abramov, Trudy Arkt. i Antark. Nauchn.-Issl. Inst. 224: 220. 1963). This combination was not included in supplements to Index Muscorum.
68. *Didymodon incrassatus* was synonymized with *D. australasiae* by Jiménez & al. [243].
69. Numerous records of *Didymodon vinealis* from the Middle European Russia and Urals were found to be erroneous [207].
70. Large plants of *Ditrichum flexicaule* were treated by Frisvoll [171] in a separate species, *D. crispatissimum*; the earlier name for the latter being *D. gracile*; their differences were nicely illustrated recently by Lüth [276]; in Russia distribution of these taxa remains poorly known, partly due to them not being considered as good species [cf. 207].
71. Ignatov & Ignatova [207] lectotypified the genus *Drepanium* with *Drepanium (Stereodon) recurvatum.*
72. The taxonomy of *Encalypta rhaptocarpa*-group remains not totally resolved; Horton [193] segregated the group of *E. rhaptocarpa* without a peristome, but left it without any formal name; some old publications referred these eperistomate plants to *E. spathulata* or *E. trachymitria*; Horton however demonstrated that the real *E. spathulata* is distinct, whereas Mogensen [301] showed that *E. trachymitria* has a peristome, although quite different from that of *E. rhaptocarpa*; thus at the moment eperistomate *E. rhaptocarpa* remains unnamed, and records of *E. spathulata* or *E. trachymitria* seem to belong mainly (if not totally) to eperistomate *E. rhaptocarpa* .
73. Horton [193] demonstrated that all Asian collections of *Encalypta procera-streptocarpa* complex belong to *E. procera* and suggested that *E. streptocarpa* does not occur in Asia; the occurrence of the latter species in Ural Mountains is also problematic, despite numerous records.
74. Asian collections of *Encalypta vulgaris* often intergradate with eperistomate *E. rhaptocarpa* and may represent just a variation of the latter species.
75. *Entodon cladorrhizans* was excluded from bryoflora of Russia by Ignatov & al. [200].

76. *Entodon sinense* was synonymized with *E. giraldii* by Tan [378].
77. According to Abramov & al. [10], all specimens reported from KAZ [155, 296] and TAD as *Entosthodon attenuatus* belong in fact to *Funaria aequidens.*
78. All records of *Entosthodon fascicularis* from Urals [cf. 150] seem to be erroneous [cf. also 207]; Abramov & al. [10] also did not confirm the records from Middle Asia.
79. Taxonomy of *Entosthodon (Funaria) muhlenbergii*-group of species has been revised by Nyholm & Crundwell [125], and according to their approach all the records from Russia proved to be *E. pulchellus*; however numerous records are based on still unrevised collections.
80. *Ephemerum minutissimum* is treated by some authors as only an infraspecific unit of *E. serratum* and reported under the latter name without recognition of subspecies or varieties; for example, in Latvia the latter species was reported [e.g. 3] although all the records in fact belong to the former taxon [2].
81. Records of *Eucladium verticillatum* from South Siberia [e.g. 197, 70] were not confirmed by recent revision of Ignatova.
82. Records of *Eurhynchium striatum* from Siberia [cf. 70] obviously belong to *E. angustirete*, as it is true also for many old records from East Europe.
83. According to Cherdantseva (unpubl.), record of *Fabronia matsumurae* from Russian Far East [199] was based on the misidentification of *F. ciliata.*
84. Abramova & Abramov [22] recorded *Fabronia pusilla* for Irkutsk Province, but no specimens are found in LE; more likely this is a misidentification of *F. ciliaris.*
85. Taxonomy and distribution of *Fissidens arcticus* was discussed by Czernyadjeva [134].
86. Bruggeman-Nannega [see 190] argued that *Fissidens gymnandrus, F. incurvus, F. viridulus* are good species; in Russia they were considered for a long time within the circumscription of *F. bryoides* s.l., thus data on their distribution are too fragmentary and obviously inadequate.
87. The occurrence of *Fissidens gracilifolius* in North Asia has to be confirmed.
88. Savicz-Lyubitskaya & Smirnova [361] synonymized *Fissidens karataviensis* with *F. grandifrons*, however Mamatkulov [295, 296] accepted the former species.
89. According to Gorobets [178], all records of *Fissidens osmundoides* from Primorsky Territory [e.g. in 76] belong in fact to *F. gymnogynus*; however *F. osmundoides* occurs in Khabarovsk Territory [e.g. 221].
90. *Fissidens pusillus*-group badly needs revision: during its complicated taxonomic and nomenclatural history this species once was considered in broad sense, including what is called now *F. gracilifolius*, and maybe some records belong to that species.
91. According to Cherdantseva, records of *Fontinalis dalecarlica* from RUS-AS: S-FE are erroneous.
92. Report of *Funaria microstoma* from RUS-EUR: NE, Komi Republic, is doubtful.
93. *Grimmia mesopotamica* was synonymized with *G. capillata* by Muñoz & Pando [306].
94. Numerous records of *Grimmia montana* were erroneous due to misinterpretation of diagnostic characters of this species for example in Russia, this is a very rare species [234].
95. *Grimmia muehlenbeckii* was treated by some authors as a variety of *G. trichophylla*, and some publications reported *G. trichophylla* s.l., obscuring distribution of these two species; according to Muñoz & Pando [306], all the records of *G. trichophylla* east of Poland belong in fact to *G. muehlenbeckii*; all the revised material from Russia agrees with this conclusion, but material from Baltic and Caucasian countries is still awaiting a revision.
96. Records of *Grimmia ovalis* from the Polar Ural [150] and North Ural [415, 150] were not confirmed by Ignatova & Muñoz [234].
97. Muñoz & Pando [306] failed to find the type of *Grimmia laevidens* and did not comment it; Greven [180] included this species into the synonymy of *G. sessitana.*
98. Greven [180] considered *Grimmia crassifolia* as a species of its own, but Ignatova & Muñoz [234] synonymized it with *G. tergestina.*
99. No correctly identified specimen of *Grimmia trichophylla* from Russia has been found during the revision of Ignatova & Muñoz [234]; however no collections from Kaliningrad Province were studied, and material from other countries also was not in the focus of that study.
100. Records of *Grimmia unicolor* from the North Ural [150, 415] were not confirmed by Ignatova & Muñoz [234].
101. Species of *Gymnostomum* (especially *G. aeruginosum–G. calcareum)* in Russia need total revision; descriptions in different publication treat species limits in different ways.
102. Paratypes of *Gymnostomum boreale* were cited in the original description as being from Finland, but currently their localities are situated within Russian Karelia.
103. The only record of *Haplocladium angustifolium* from Middle European Russia is from Zhiguli Reserve by Mordvinov [304]; additional confirmation is needed; a record of this species for Caucasus by Ignatov & al. [212] is erroneous.
104. Ivanova & al. [239] did not confirm the occurrence of *Herzogiella turfaca* in Arctic Yakutia.
105. *Homalia japonica* was referred to *H. trichoma-*

noides by Iwatsuki [242]; in the monograph of the genus, He [181] considered it as a subspecies *H. trichomanoides* ssp. *japonica* (Besch.) S.He.

106. *Homalia woronowii* described from Adzharia was synonymized with *H. webbiana* by He [181]; the latter species is otherwise known only from Macaronesia.

107. Many authors include *Hymenoloma compactum (Dicranoweisia compacta)* into *H. crispulum*, as a synonym or variety; however it is considered as an independent species and recorded for UKR: C [66], RUS-EUR: NW [361, 84], KAZ [356], RUS-AS: S-SIB [70].

108. *Hyocomium armoricum* was reported by Ignatov & Afonina [199] based on the record of Düll [154], without any exact reference.

109. *Hypnum densirameum* was reported from RUS-AS: S-FE [76], but Afonina reidentified the specimen as *Stereodon fauriei.*

110. All records of *Hypnum imponens* from Asian Russia are probably erroneous; Ivanova & al. [239] excluded it from the moss flora of Yakutia.

111. *Hypnum jutlandicum* is close to *H. cupressiforme*, and sometimes is considered as its variety *H. cupressiforme* var. *ericetorum* Bruch et al.

112. Kruijer [259] revised the genus *Hypopterygium*, and synonymized *H. japonicum* with *H. flavolimbatum.*

113. Churchill [119] synonymized *Jaffueliobryum latifolium* with *J. wrigthii*, however Ignatov & Cao Tong [202] considered *J. latifolium* as a species of its own.

114. *Kindbergia praelonga* (*Eurhynchium praelongum*) was reported from many areas, but, for example, in Russia no correct records other than in Caucasus were proved (Ignatov, unpubl.); however a record from Kaliningrad Province is likely to be correct.

115. *Leptodontium styriacum* was synonymized with *L. flexifolium* by Ignatov & al. [201].

116. He [182] published a world revision of *Leptopterigynandrum*, recognizing three species in Russia and few more in neighboring regions of Mongolia and China; the record of *Leptopterigynandrum austro-alpinum* from Ural Mts. [416] was erroneous.

117. Records of *Lescuraea mutabilis* from Siberia and northern part of Urals are doubtful and probably belong to *L. saxicola*, which was included in *L. mutabilis* in some earlier taxonomic treatments.

118. Caucasian collections referred to *Lindbergia brachyptera* are treated here as a separate species, *L. grandiretis* (Ignatov & Ignatova, unpubl.).

119. *Meesia longiseta* was erroneously reported from Russian part of Caucasus by Onipchenko & Ignatova [318].

120. The circumscription of genera of Pottiaceae is given according to Zander [411]; the main difference from the previous check-list is the inclusion of most species referred to *Desmatodon, Pottia* and *Phascum* to the genus *Tortula*, although some species of these genera are transferred to *Microbyum*; also, *Tortula ruralis* and similar species are segregated into the genus *Syntrichia*.

121. Records of *Mnium hornum* from eastern parts of European Russia including Urals were reidentified [cf. 207]; Asian records are also doubtful, and plants from East Asia were referred to a separate species, *Mnium orientale* R.E. Wyatt, Odrzykoski & T.J. Kop., that however still was not found in the Russian Far East.

122. Koponen [253a] synonymized *M. magnirete* with *M. ambiguum*. Later Koponen [253b] synonymized *M. ambiguum* and *M. laevinerve* with *M. lycopodioides*, but some authors, e.g. Czernyadjeva [140] thought that *M. laevinerve* is a good species.

123. Ignatov (unpubl.) found that the holotype of *Pseudoleskea korjakorum* belongs to *Myrinia pulvinata.*

124. *Myurella tenerrima* was reported from RUS-AS: S-FE [212], basing on Lazarenko' record for Kedrovaya Pad Reserve, which is likely an error; recent list of mosses of this reserve [174] does not include this species.

125. The only population of *Myuroclada* in Europe is a result of unintentional introduction in botanical garden of Rostov-na-Donu city [207, 404].

126. Records of *Orthothecium rufescens* from the Arctic [e.g. 47] and Siberia proved to be *O. chryseon,* cf. [200].

127. Records of *Orthotrichum affine* from Kamchatka are dubious [140], and all so-called collections from the southern Russian Far East were found to be *O. sordidum* (Cherdantseva, unpubl.).

128. Judging from the illustration in Eremina [155], *Orthotrichum laevigatum* from Kazakhstan belongs to *O. iwatsukii*; other records outside Arctic also likely belong to *O. iwatsukii.*

129. *Orthotrichum sibiricum* was synonymized with *O. pallens* by Lewinsky [270].

130. *Orthotrichum stellatum* was reported with a question mark by Ignatov & Afonina [199] for RUS-AS: S-FE; however, no collections of this species are known.

131. Recent revision of Cherdantseva (unpubl.) revealed that all records of *Oxyrrhynchium hians* from southern Russian Far East belong to *Bryhnia.*

132. All records of *Oxyrrhynchium schleicheri* from Russia (except Caucasus and maybe also Kaliningrad Province) and Kazakhstan are doubtful (all checked specimens were reidentified).

133. Many old records of *Oxyrrhynchium speciosum* from Russia were reidentified.

134. Many authors considered *Palustriella falcata* as a variety or synonym of *P. commutata*, thus the distribution of the former species is not well known.

135. Ignatov reported *Philonotis mollis* for Altai [117], but later Koponen (unpubl.) reidentified this material as *P. falcata*.
136. According to Cherdantseva (unpubl.), the record of *Philonotis seriata* from Kuril Islands [77] belongs to *P. yezoana.*
137. According to Koponen [252], *Plagiomnium elatum* and *P. affine* are absent in North Asia and all previous records were erroneous; the old species concept of *P. affine* included *P. ellipticum,* so older records may imply the latter species.
138. According to Cherdantseva (unpubl.), all records of *Plagiomnium rostratum* from Russian Far East are erroneous.
139. Record of *Plagiomnium undulatum* from Ural [150] seems to be erroneous.
140. Ukrainskaya [390] provided description and distribution map of *Plagiothecium berggrenianum* in Russia.
141. *Plagiothecium cordifolium* and *P. platycladum* reported from Russian Far East by Lazarenko [268] are little known species, more likely synonymous with some other species.
142. Records of *Plagiothecium curvifolium* from Russian Far East has to be confirmed since the Pacific population seems to be quite isolated from the European one.
143. Records of *Plagiothecium neckeroideum* in RUS-AS (S-FE [76]) were based on the erroneous identifications of *P. euryphyllum* (Cherdantseva, unpubl).
144. According to Ukrainskaya [389] numerous records of *Plagiothecium piliferum* from Russia were based mainly on misidentifications of *Isopterygiopsis muelleriana*; she cited only one correctly identified specimen from Yakutia [389], but later confirmed some specimens from NW European Russia [cf. 207].
145. We think that *Plagiothecium succulentum* is not a good species and must be synonymized either with *P. cavifolium*, or with *P. nemorale.*
146. Records of *Pleuridium acuminatum* from Russian Far East [e.g. 361] were obviously based on the confusions in its synonymy with *P. subulatum*; Matsui & Iwatsuki [298] synonymized *P. acuminatum* with *P. subulatum*, but Europeaen [e.g. 190] authors usually keep them separate.
147. *Pogonatum dentatum* is rapidly spreading in East Europe, where it was known before only in mountain and arctic regions (cf. Hyvonen [195]).
148. Records of *Pogonatum inflexum* from Georgia belong to *P. neesii* [56].
149. Records of *P. leucostoma (=P. gracillima)* from Primorsky Territory (RUS-AS: S-FE [76]), according to revision of Czernyadjeva [131], belong to *P. proligera*; East Siberian plants were not revised by her, but likely also belong to *P. proligera.*
150. *Pohlia torrentium* is usually not separated from *P. filum*, although some authors suggest recognizing it as a species [364, 40].
151. *Polytrichum commune* var. *perigoniale* (Michx.) Hampe, or *P. perigoniale* Michx., is sometimes considered as a distinct taxon, but more commonly is not separated from *P. commune*; its distribution can not be well understood based on the relatively scarce available records; Hill & al. [190] do not accept this variety and *P. commune* var. *humilis* Sw., but accepted *Polytrichum uliginosum* (Wallr.) Schriebl (=*P. commune* var. *uliginosum* Wallr.); the latter taxon was reported in Russia by Savicz-Lyubitskaya & Smirnova [361], who mentioned its distribution as not different from *P. commune*; further confirmation however is needed for separating this species from *P. commune.*
152. According to Fedosov & Ignatova [165], all Siberian records of *Pseudocrossidium hornschuchianum* and all Russian records of *P. revolutum* were based on erroneously identified specimens.
153. *Leskeella incrassata* was described from GEO [102] and subsequently reported in ARM [297] and AZE [277]; however, the distinction between *P. nervosa* and *L. incrassata* seems to be unstable: bistratose lamina, the main diagnostic character of the species, occurs sporadically in southern population of the latter species and if this character is accepted as of taxonomic importance, then the distribution of these two taxa must be totally reconsidered.
154. All checked collections of *Psilopilum* from non-Arctic regions of South and Eastern Siberia were found to belong to *Oligotrichum falcatum* [238].
155. Pisarenko [337] found that on salty soils in South Siberia and Kazakhstan plants occur with phenotypes transitional between *Pterygoneurum kozlovii* and *P. subsessile*.
156. Oesau [317] suggested that plants from the SE European Russia belong to *P. papillosum* Oesau that was recently described from the Central Europe; Russian material has to be revised to understand the status and distribution of this taxon.
157. Arikawa [64] demonstrated by molecular phylogenetic methods that plants of "*Pylaisia polyantha*" from the Far East of Russia markedly different from the European one; he referred the former to *P. curviramea*, a species described from Central China.
158. According to Arikawa [64], *Pylaisia intricata* occurs only in North America, and Asian plants commonly called *P. intricata* belong to *P. stereodontoides.*
159. *Pylaisiadelpha yokohamae* (Broth.) W.R.Buck was considered as a synonym of *P. tenuirostris* by Abramova & Abramov [33] and Iwatsuki [241], but in more recent papers by Tan & Jia Yu [380] and Iwatsuki [242] these species are recognized as distinct; Russian material may belong to both species, but critical revision

is needed; *Clastobryella kusatsuensis* (Besch.) Z.Iwats. reported from RUS-AS (S-FE [76, 77]) is a synonym of *Pylaisiadelpha yokohamae* [242].

160. According to Koponen & Afonina [253c] *Rhizomnium punctatum* is absent in Far East of Russia; Ivanova & al. [239] excluded it from the moss flora of Yakutia.

161. According to Gorobets [178], all records of *Rhodobryum roseum* from Primorsky Territory [e.g. 76] belong to *R. ontariense*; however the former species occurs in Khabarovsk Territory [e.g. 221]

162. The record of *Rhynchostegium confertum* in Russian Far East [268] seems doubtful, no record of this species east of Caucasus has been confirmed by Ignatov (unpubl.)

163. Huttunen & al. [194] demonstrated that European and Asian plants, commonly referred to *Rhynchostegium (Platyhypnidium) riparioides* belong to two rather unrelated species; the plants from Siberia and Far East maybe have to be called *Rhynchostegium muelleri* A. Jaeger.

164. Ignatov & Ignatova [207] segregated species of *Rhytidiadelphus squarrosus*-group as a new genus *Rhytidiastrum*; however they thought that the type genus of *Rhytidiadelphus* is *R. triquetrus*, omitting earlier lectotypification by Grout, who lectotypified the genus with *R. squarrosus*; before the nomenclature of *Rhytidiadelphus* s.l. is finally fixed we prefer to accept this genus in the traditional circumscription.

165. Recently Hedenäs [188] found that monoicous and dioicous species of *Warnstorfia* were well separated in phylogenetic analysis, and thus he suggested all dioicous species should be placed in the genus *Sarmentypnum.*

166. Many records of *Schistidium apocarpum* were based on the broad concept of this species *S. apocarpum* s. l., which includes about 40 «narrow» species in East Europe and North Asia.

167. Recent revision of Ignatova did not confirm the presence of *Schistidium confertum* in Russia, although it possibly occurs in Caucasus.

168. Many records of *Schistidium strictum* were based on the previous broad concept of this species. However according to Blom [97], *S. strictum* does not occur on the territory of the present check-list; most previous records of this species should be referred now to *S. papillosum* and *S. boreale.*

169. *Eurhynchium altaicum* Ignatov was described from a single plant [198]; new collections from the type locality allow us to understand its position in the genus *Scuiro-hypnum* (Ignatov, unpubl.).

170. Record of *Sciuro-hypnum latifolium* from Caucasus [212] was erroneous.

171. Distribution and taxonomy of *Scouleria* in Russia is discussed by Kurbatova [260].

172. Siberian records of *Seligeria diversifolia* have to be confirmed; some of so-named collections from this region were reidentified as *S. campylopoda.* The record from South Urals was erroneous [cf. 302].

173. Mogensen & Goldberg [302] reidentified specimen from Vishera Reserve (N-UR) as *S. galinae*, therefore the record of *S. donniana* in [212] is erroneous.

174. Partial revision of collections of *Seligeria polaris* from South Siberia revealed that some of them belong to other species; currently this species is known only from Arctic and Subarctic regions.

175. The occurrence of *Seligeria trifaria* in Siberia should be confirmed; partial revision revealed that some of so-called collections belong to *S. tristichoides.*

176. Corley & al. [121] synonymized *Sphagnum jensenii* with *S. annulatum*, and some authors followed this suggestion and reported *S. annulatum* from certain areas of Russia; Flatberg [169] considered these species as distinct; according to Maksimov (unpubl.) the *S. annulatum* s.str. is definitely known only from NW European Russia.

177. According to Abolina (pers. com.) Latvian plants of *Sphagnum imbricatum* complex belong to *S. austinii.*

178. Semenov [365] described four species of *Sphagnum* from Altai: *S. elenkinii, gordjaginii, krylovii, vereschaginii*; Savicz [357] heavily criticized quite incomplete descriptions, suggesting simply to ignore these species. However these descriptions are valid, and the search of types is necessary to elucidate their identity.

179. Previous broad concept of *Sphagnum imbricatum* included numerous records from other regions: LTV [244], LAT [3], BEL [58], RUS-EUR (ARC [47], NW[407], KLN [310]), GEO [117], RUS-AS (ARC-WSIB [136], W-SIB [265], ARC-YAK [47, 239]); here however we follow the narrow concept of Flatberg [168, 190], who left in *S. imbricatum* only East Asian plants, referring European species to *S. austinii* and *S. affine*, and arctic species to *S. steerei*; additional study is needed however to understand identity of e. g. West Siberian plants.

180. Ignatov & Ignatova [207] lectotypified the genus *Stereodon* with *Stereodon callichrous* (Brid.) Braithw. (=*Hypnum callichroum* Brid.).

181. According to revision of Afonina [41], in Russia *Stereodon (Hypnum) callichrous* occurs only in Europe, and some specimens from Far East possibly belong to *Hypnum callichroum* var. *japonicum* Ando, while many other records were based on *Stereodon holmenii.*

182. Accoding to Ignatov & al. [200], all Asian collections cited as *Hypnum fertile* belong in fact to *Stereodon fauriei.*

183. *Stereodon holmenii* has been discovered in many parts of Russia in the course of recent revision by Afonina [45].

184. Ivanova & al. [239] excluded *Stereodon palle-*

scens from Yakutia, where it was reported previously [e. g. 212, 47].

185. The combination *Stereodon procerrimus* (Molendo) Bauer, Musci Eur. Exsic., ser. 34: 6, No 1694. 1924, based on *Hypnum procerrimum* Molendo, Flora 49: 458. 1866 was not included in Index Muscorum and in Tropicos database.

186. Records of *Stereodon (Hypnum) tristo-viride* from RUS-AS (S-FE) in Ignatov & Afonina [199] were based on misidentifications.

187. Tan & al. [379] found that *Cephalocladium zerovii* described from South Siberia belongs to the genus *Struckia*; however the identity of the Siberian *Struckia* was resolved differently [cf. 216].

188. There is no agreement on the status of *Syntrichia calcicola* among recent authors [cf. 173 and 394].

189. *Syntrichia pagorum* was synonymized with *S. laevipila* by Gallego [173].

190. According to Bachurina & Melnichuk [66], *Tetrodontium ovatum* is not different from *T. repandum*, although Hill & al. [190] keep them as separate species.

191. Generic concepts in Thuidiaceae are mainly according to Touw [383].

192. Touw [383] put *Thuidium philibertii* into synonymy of *T. assimile.*

193. Records of *Thuidium tamariscinum* from N-UR, S-UR [150] were not confirmed [207].

194. Record of *Timmia megapolitana* from CAUC [212] was erroneous, excluded in Ignatova & al. [231].

195. According to the original description, *Timmiella corniculata* does not differ from *T. barbuloides* in the main diagnostic characters; type material is absent in LE and H; the very scanty material in S lacks sporophytes that are essential for the identification *Timmiella* species; judging from the description and also from the fact that *T. barbuloides* is quite common in Pacific North-West of North America we preliminary include *T. corniculata* in *T. barbuloides.*

196. *Tortella brotheri* is a neglected taxon whose real identity needs further studies.

197. Corley & al. [121] synonymized *Tortula fiori* with *T. revolvens,* however Abramov & al. [11] keep them as separate species.

198. Mamatkulov validated combination *Semibarbula trachyphylla* (Broth.) Laz. ex Mamatkulov, Fl. Bryoph. Tadjik SSR 1: 186. 1990, that was suggested by Lazarenko without citing of basyonym.

199. *Trichostomum brachydontium* was reported for Russian Far East by Podpera [340]; Bardunov & Cherdantseva [76] considered this record as doubtful.

200. *Tuerckheimia svihlae* was erroneously reported by Ignatov for Altai [198].

201. Records of *Zygodon conoideus* from Siberia and Far East were based on *Z. sibiricus,* a recently described species that differs from *Z. rupestris* in presence of a peristome [210]; thus the presence of the latter species in Russia in the regions other than Caucasus and Karelia are questionalble; however some authors thought that this difference is rather insufficient and further studies may show identity of *Z. sibiricus,* and *Z. rupestris* [410].

202. *Zygodon viridissimus* was often recorded sensu lato, including *Z. rupestris* and *Z. sibiricus*, thus their distribution has to be revised; *Z. viridissimus* from Carpathians [66] has been referred by Virchenko [403] to *Z. rupestris* and *Z. dentatus.*

SYNONYMS

Abietinella abietina var. *hystricosa* (Mitt.) Sakurai = *Abietinella abietina*
— *hystricosa* (Mitt.) Broth. = *Abietinella abietina*
Acrocladium cuspidatum (Hedw.) Lindb. = *Calliergonella cuspidata*
Aloina ericaefolia Kindb. = *Aloina ambigua*
Amblystegiella confervoides (Brid.) Loeske = *Serpoleskea confervoides*
— *jungermannioides* (Brid.) Giacom. = *Platydictya jungermannioides*
— *sprucei* (Bruch) Loeske = *Platydictya jungermannioides*
— *subtilis* (Hedw.) Loeske = *Serpoleskea subtilis*
Amblystegium compactum (Drumm. ex Müll.Hal.) Austin= *Conardia compacta*
— *confervoides* (Brid.) Bruch et al. = *Serpoleskea confervoides*
— *curvipes* Schimp. = *Hygroamblystegium humile*
— *fluviatile* (Hedw.) Bruch et al. = *Hygroamblystegium fluviatile*
— *humile* (P.Beauv.) Crundw. = *Hygroamblystegium humile*
— *jungermannioides* (Brid.) A.J.E.Sm. = *Platydictya jungermannioides*
— *juratzkanum* Schimp. = *Amblystegium serpens* var. *juratzkanum*
— *kochii* Schimp.= *Hygroamblystegium humile*
— *palustre* (Brid.) Lindb. = *Hygrohypnum luridum*
— *rigescens* Limpr. = *Amblystegium serpens*
— *riparium (*Hedw.) Bruch et al. = *Leptodictyum riparium*
— *saxatile* Schimp. = *Amblystegium radicale*
— *sprucei* (Bruch) Bruch et al.= *Platydictya jungermannioides*
— *subtile* (Hedw.) Bruch et al. = *Serpoleskea subtilis*
— *tenax* (Hedw.) C.E.O.Jensen = *Hygroamblystegium tenax*
— *varium* (Hedw.) Lindb. = *Hygroamblystegium varium*
Andreaea amurensis Broth. = *Andreaea rupestris*
— *assimilis* Müll.Hal. = *Andreaea rupestris* var. *papillosa*
— *compacta* Müll.Hal. = *Andreaea rupestris* var. *papillosa*

— *cuspidata* Müll.Hal. = *Andreaea rupestris* var. *papillosa*
— *fauriei* Besch. = *Andreaea alpestris*
— *filiformis* Müll.Hal. = *Andreaea alpestris*
— *hartmanii* Thed. = *Andreaea obovata*
— *krauseana* Müll.Hal. = *Andreaea obovata*
— *papillosa* Lindb. = *Andreaea rupestris* var. *papillosa*
— *patens* Müll.Hal. = *Andreaea rupestris* var. *papillosa*
— *petrophila* Ehrh. ex Fürnr. = *Andreaea rupestris*
— *planinervis* Lindb. ex G.Roth = *Andreaea heinemannii*
Anisothecium crispum (Hedw.) C.E.O.Jensen = *Dicranella crispa*
— *grevilleanum* (Brid.) Arnell & C.E.O.Jensen = *Dicranella grevilleana*
— *humile* (R.Ruthe) Lindb. = *Dicranella humilis*
— *palustre* (Dicks.) I.Hagen = *Dichodontium palustre*
— *rigidulum* (Hedw.) C.E.O.Jensen = *Dicranella humilis*
— *rubrum* Lindb. = *Dicranella varia*
— *rufescens* (Dicks.) Lindb. = *Dicranella rufescens*
— *schreberianum* (Hedw.) Dixon= *Dicranella schreberiana*
— *staphylinum* (H.Whitehouse) Sipman, Rubers & Riemann = *Dicranella staphylina*
— *vaginale* (Dicks.) Loeske = *Dicranella crispa*
— *varium* (Hedw.) Mitt. = *Dicranella varia*
Anoectangium amurense Broth. = *Anoectangium thomsonii*
— *contortum* Broth. = *Anoectangium thomsonii*
— *schliephackei* (Limpr. ex Schlieph.) Paris = *Molendoa schliephackei*
— *sendtnerianum* Bruch et al. = *Molendoa sendtneriana*
— *tenuinerve* (Limpr.) Paris = *Molendoa tenuinervis*
Anomobryum concinnatum (Spruce) Lindb.= *Anomobryum julaceum* var. *concinnatum*
Anomodon apiculatus Sull. = *Anomodon rugelii*
— *flagelliformis* (L.I.Savicz) Granzow = *Haplohymenium flagelliforme*
— *longinervis* Broth. = *Haplohymenium longinerve*
— *minor* subsp. *integerrimus* (Mitt.) Z.Iwats. = *Anomodon minor*
— *rostratus* (Hedw.) Schimp. = *Claopodium rostratum*
— *tristis* (Ces.) Sull. & Lesq. = *Haplohymenium triste*
Aongstroemia fuji-alpina (Takaki) Z.Iwats. = *Aongstroemia julacea*
Aphanorrhegma patens (Hedw.) Lindb. = *Physcomitrella patens*
Astomum crispum (Hedw.) Hampe = *Weissia longifolia*
— *crispum* var. *philibertii* (Husn.) Wijk & Margad. = *Weissia levieri*
— *levieri* Limpr. = *Weissia levieri*
Atrichum anomalum Milde = *Polytrichastrum longisetum*
— *haussknechtii* Jur. & Milde = *Atrichum flavisetum*
— *laevifolium* (Lindb. & Arnell) Paris = *Atrichum flavisetum*
— *undulatum* var. *gracilisetum* Besch. = *Atrichum flavisetum*
— *undulatum* var. *haussknechtii* (Jur. & Milde) Frye = *Atrichum flavisetum*
Aulacomnium palustre var. *imbricatum* Bruch et al. =*Aulacomnium palustre*
Barbula acuta (Brid.) Brid. = *Didymodon acutus*
— *acuta* var. *icmadophila* (Schimp. ex Müll.Hal.) H.A.Crum = *Didymodon icmadophilus*
— *andreaeoides* Kindb. = *Didymodon subandreaeoides*
— *asperifolia* Mitt. = *Didymodon asperifolius*
— *cordata* (Jur.) Loeske = *Didymodon cordatus*
— *cylindrica* (Taylor) Schimp. = *Didymodon insulanus*
— *decurrens* Laz. = *Didymodon tophaceus*
— *ehrenbergii* (Lorenz) M.Fleisch. = *Didymodon tophaceus*
— *fallax* Hedw. = *Didymodon fallax*
— *fallax* var. *reflexa* (Brid.) Brid. = *Didymodon ferrugineus*
— *ferruginea* Schimp. ex Besch. = *Didymodon ferrugineus*
— *ferruginascens* Stirt. = *Bryoerythrophyllum ferruginascens*
— *gigantea* Funck = *Didymodon giganteus*
— *gracilis* Schwägr. = *Didymodon acutus*
— *hornschuchiana* Schultz = *Pseudocrossidium hornschuchianum*
— *icmadophila* Schimp. ex Müll.Hal. = *Didymodon icmadophilus*
— *incrassata* Lindb. ex Broth. = *Didymodon australasiae*
— *johansenii* R.S.Williams = *Didymodon johansenii*
— *lurida* Hornsch. = *Didymodon luridus*
— *obtusifolia* Schwägr. = *Tortula obtusifolia*
— *perobtusa* (Broth.) P.C.Chen = *Didymodon perobtusus*
— *recurvifolia* Schimp. = *Didymodon ferrugineus*
— *recurvirostris* (Hedw.) Dixon = *Bryoerythrophyllum recurvirostrum*
— *reflexa* (Brid.) Brid. = *Didymodon ferrugineus*
— *reflexa* var. *robusta* Braithw. = *Didymodon maximus*
— *revoluta* Brid. = *Pseudocrossidium revolutum*
— *rigidula* (Hedw.) Milde = *Didymodon rigidulus*
— *rotundata* Lindb. & Arnell = *Bryoerythrophyllum rotundatum*
— *rubella* (Huebener) Mitt. = *Bryoerythrophyllum recurvirostrum*
— *sinuosa* (Mitt.) Grav. = *Didymodon sinuosus*
— *spadicea* (Mitt.) Braithw. = *Didymodon spadiceus*
— *tophacea* (Brid.) Mitt. = *Didymodon tophaceus*
— *trifaria* (Hedw.) Mitt. = *Didymodon luridus*
— *vinealis* Brid. = *Didymodon vinealis*
— *vinealis* var. *cylindrica* (Taylor) Boulay = *Didymodon insulanus*
— *vinealis* var. *flaccida* Bruch et al. = *Didymodon insulanus*
Bartramia crispa Brid. = *Bartramia pomiformis*
— *deciduaefolia* Broth. & A.Yasuda = *Bartramia ithyphylla*
— *ithyphylla* var. *strigosa* (Wahlenb.) Hartm. = *Bartramia ithyphylla*
— *pomiformis* var. *crispa* (Brid.) Bruch et al. = *Bartramia pomiformis*
Blindia seligerioides Lindb. ex Broth. = *Blindia acuta*
Brachythecium abakanense Kaal. = *Brachythecium buchananii*
— *asperrimum* (Mitt. ex Müll.Hal.) Sull. = *Brachythecium turgidum*
— *bryhnii* (Kaurin) Kindb. = *Brachytheciastrum collinum*
— *collinum* (Schleich. ex Müll.Hal.) Bruch et al. = *Brachytheciastrum collinum*
— *curtum* (Lindb.) Limpr. = *Sciuro-hypnum oedipodium*
— *dovrense* (Limpr.) J.J.Amann = *Sciuro-hypnum glaciale* var. *dovrense*

— *eustegium* Besch. = *Eurhynchiadelphus eustegius*
— *fendleri* auct. = *Brachytheciastrum collinum*
— *glaciale* Bruch et al. = *Sciuro-hypnum glaciale*
— *glaciale* var. *dovrense* Limpr. = *Sciuro-hypnum glaciale* var. *dovrense*
— *groenlandicum* (C.E.O.Jensen) Schljakov = *Brachythecium coruscum*
— *jeniseense* (Lindb. & Arnell) Paris = *Sciuro-hypnum starkei*
— *latifollium* Kindb. = *Sciuro-hypnum latifolium*
— *mildeanum* var. *udum* (I.Hagen) Mönk. = *Brachythecium udum*
— *oedipodium* (Mitt.) A.Jaeger = *Sciuro-hypnum oedipodium*
— *olympicum* Jur. = *Brachytheciastrum olympicum*
— *ornellanum* (Molendo) Venturi & Bott. = *Sciuro-hypnum ornellanum*
— *oxycladum* auct. non (Brid.) A.Jaeger = *Brachythecium laetum*
— *plumosum* (Hedw.) Bruch et al.= *Sciuro-hypnum plumosum*
— *populeum* (Hedw.) Bruch et al. = *Sciuro-hypnum populeum*
— *reflexum* (Starke) Bruch et al. = *Sciuro-hypnum reflexum*
— *rotaeanum* De Not. = *Brachythecium capillaceum*
— *salebrosum* subsp. *rotaeanum* (De Not.) J.J.Amann = *Brachythecium capillaceum*
— *salebrosum* subsp. *turgidum* (Hartm.) Hartm. = *Brachythecium turgidum*
— *salebrosum* var. *capillaceum* (F.Weber & D.Mohr) Lorentz = *Brachythecium capillaceum*
— *salicinum* Bruch et al. = *Brachytheciastrum velutinum*
— *starkei* (Brid.) Bruch et al. = *Sciuro-hypnum starkei*
— *starkei* var. *curtum* (Lindb.) Warnst. = *Sciuro-hypnum oedipodium*
— *starkei* var. *explanatum* auct. non (Brid.) Mönk. = *Sciuro-hypnum oedipodium*
— *thedenii* Bruch et al. = *Brachythecium erythrorrhizon*
— *trachypodium* (Brid.) Bruch et al. = *Brachytheciastrum trachypodium*
— *uncinifolium* Broth. & Paris = *Sciuro-hypnum uncinifolium*
— *uralense* Gorodkov = *Lescuraea secunda*
— *velutinum* (Hedw.) Bruch et al. = *Brachytheciastrum velutinum*
— *wichurae* (Broth.) Paris = *Brachythecium garovaglioides* Müll.Hal.

Breidleria arcuata (Molendo) Loeske = *Calliergonella lindbergii*

Brotherella tenuirostris (Sull.) Broth. = *Pylaisiadelpha tenuirostris* — {159}

Brotherella yokohamae (Broth.) Broth. = *Pylaisiadelpha tenuirostris* — {159}

Bryhnia brachycladula Cardot = *Bryhnia novae-angliae*
— *noesica* (Besch.) Broth. = *Bryhnia novae-angliae*

Bryobrittonia pellucida R.S.Williams = *Bryobrittonia longipes*

Bryochenea sachalinensis (Lindb.) Gao & Chang = *Echinophyllum sachalinense*

Bryoerythrophyllum recurvirostrum var. *dentatum* (Schimp.) H.A.Crum, Steere & L.E.Anderson = *B. alpigenum*

Bryohaplocladium angustifolium (Hampe & Müll.Hal.) R.Watan. & Z.Iwats. = *Haplocladium angustifolium*
— *microphyllum* (Hedw.) R.Watan. & Z.Iwats. = *Haplocladium microphyllum*
— *virginianum* (Brid.) R.Watan. & Z.Iwats. = *Haplocladium virginianum*

Bryoxiphium savatieri (Husn.) Mitt. = *Bryoxiphium norvegicum* var. *japonicum*

Bryum acutum Lindb. = *Bryum axel-blyttii*
— *affine* Lindb. & Arnell = *Bryum creberrimum*
— *algovicum* fo. *jailae* (Sapjegin) L.I.Savicz = *Bryum algovicum*
— *angustirete* Kindb. = *Bryum algovicum*
— *ardonense* Breidl. = *Bryum algovicum*
— *bicolor* Dicks. = *Bryum dichotomum*
— *blindii* var. *oblongum* (Lindb.) Mönk. = *Bryum oblongum*
— *blindii* subsp.*oblongum* (Lindb.) Kindb. = *Bryum oblongum*
— *caespiticium* subsp. *kunzei* (Hornsch.) Podp. = *Bryum kunzei*
— *caespiticium* var. *imbricatum* Bruch et al. = *Bryum kunzei*
— *caespiticium* var. *kunzei* (Hornsch.) Braithw. = *Bryum kunzei*
— *capillare* var. *elegans* (Nees) Husn. = *Bryum elegans*
— *capillare* var. *flaccidum* (Brid.) Bruch et al. = *Bryum moravicum*
— *cernuum* (Hedw.) Bruch et al. = *Bryum uliginosum*
— *cirrhatum* Hoppe & Hornsch. = *Bryum lonchocaulon*
— *cirrhatum* var. *affine* Podp. = *Bryum creberrimum*
— *comense* Schimp. = *Bryum caespiticium*
— *crispulum* Hampe = *Bryum pseudotriquetrum*
— *cuspidatum* (Bruch et al.) Schimp. = *Bryum creberrimum*
— *demissum* Hook. = *Plagiobryum demissum*
— *demissum* subsp. *hultenii* Ochi & Perss. = *Plagiobryum hultenii*
— *duvalii* Voit = *Bryum weigelii*
— *erythrocarpum* auct. = *Bryum* sect. *Erythrocarpa*
— *flaccidum* auct. = *Bryum moravicum*
— *imbricatum* auct. non (Schwägr.) Bruch et al. = *Bryum amblyodon*
— *inclinatum* (Sw. ex Brid.) Blandow = *Bryum amblyodon*
— *kaernbachii* Müll.Hal. = *Bryum capillare*
— *lacustre* (F.Weber & D.Mohr) Blandow = *Bryum knowltonii*
— *laetum* Lindb. = *Bryum oblongum*
— *laevifilum* Syed = *Bryum moravicum*
— *latifolium* (Schwägr.) Brid. = *Bryum schleicheri*
— *lisae* var. *cuspidatum* (Bruch et al.) Margad. = *Bryum creberrimum*
— *luridum* R.Ruthe = *Bryum arcticum*
— *mamillatum* Lindb. = *Bryum warneum*
— *microblastum* Müll.Hal. = *Bryum pallescens* var. *microblastum*
— *microerythrocarpum* Müll.Hal. & Kindb. ex Macoun = *Bryum subapiculatum*

— *obconicum* Hornsch. ex Bruch et al. = *Bryum pallescens*
— *obtusifolium* Lindb. = *Bryum cryophilum*
— *oelandicum* H.Philib. = *Bryum warneum*
— *pallens* subsp. *lundstroemii* (Arnell) Podp. = *Bryum pallens*
— *paradoxum* H.Philib. = *Bryum terskeiense*
— *pendulum* (Hornsch.) Schimp. = *Bryum algovicum*
— *planiusculum* Lindb. & Arnell = *Bryum turbinatum*
— *pseudocrispulum* (Podp.) L.I.Savicz, nom. illeg. = *Bryum pseudotriquetrum*
— *pseudotriquetrum* subsp. *bimum* (Schreb.) Hartm. = *Bryum bimum*
— *purpurascens* var. *serotinum* (Lindb.) C.E.O.Jensen = *Bryum purpurascens*
— *saxatile* I.Hagen = *Bryum lonchocaulon*
— *schleicheri* var. *latifolium* (Schwägr.) Schimp. = *Bryum schleicheri*
— *serotinum* Lindb. = *Bryum purpurascens*
— *stirtonii* Schimp. = *Bryum elegans*
— *subelegans* auct. non Kindb. = *Bryum moravicum*
— *subglobosum* Schlieph. = *Bryum lonchocaulon*
— *subobtusifolium* Müll.Hal. = *Bryum cyclophyllum*
— *subrotundum* Brid. = *Bryum pallescens*
— *tortifolium* Brid. = *Bryum cryophilum*
— *turbinatum* subsp. *schleicheri* (Schwägr.) Kindb. = *Bryum schleicheri*
— *ventricosum* Relh. = *Bryum pseudotriquetrum*
— *ventricosum* var. *bimum* (Schreb.) Hampe = *Bryum bimum*
— *zieri* Hedw. = *Plagiobryum zieri*

Buckiella undulata (Hedw.) Ireland = *Plagiothecium undulatum*
Buxbaumia indusiata Brid. = *Buxbaumia viridis*
Callialaria curvicaule (Jur.) Ochyra = *Cratoneuron curvicaule*
Calliergon cuspidatum (Hedw.) Kindb. = *Calliergonella cuspidata*
— *richardsonii* var. *megalophyllum* (Mikut.) Meyl. = C. *megalophyllum*
— *richardsonii* var. *robustum* (Lindb. & Arnell) G.Roth = *Calliergon megalophyllum*
— *sarmentosum* (Wahlenb.) Kindb. = *Warnstorfia sarmentosa*
— *stramineum* (Dicks. ex Brid.) Kindb. = *Straminergon stramineum*
— *trifarium* (F.Weber & D.Mohr) Kindb. = *Pseudocalliergon trifarium*

Camptothecium aureum (Spruce) Bruch et al. = *Homalothecium aureum*
— *auriculatum* (A.Jaeger) Broth. = *Brachythecium auriculatum*
— *geheebii* (Milde) Kindb. = *Brachythecium geheebii*
— *lutescens* (Hedw.) Bruch et al. = *Homalothecium lutescens*
— *nitens* (Hedw.) Schimp. = *Tomentypnum nitens*
— *trichodes* Lindb. = *Tomentypnum nitens*

Campyliadelphus polygamus (Bruch et al.) Kanda = *Drepanocladus polygamus*
— *stellatus* (Hedw.) Kanda = *Campylium stellatum*
Campylium adscendens (Lindb.) Perss. = *Herzogiella adscendens*
— *arcticum* (R.S.Williams) Broth. = *Drepanocladus arcticus*
— *calcareum* Crundw. & Nyholm = *Campylidium calcareum*
— *chrysophyllum* (Brid.) Lange = *Campyliadelphus chrysophyllus*
— *elodes* (Lindb.) Kindb. = *Campyliadelphus elodes*
— *halleri* (Hedw.) Lindb. = *Campylophyllum halleri*
— *hispidulum* auct. non (Brid.) Mitt. = *Campylidium* [*sommerfeltii* & *calcareum*]
— *hispidulum* (Brid.) Mitt. = *Campylidium hispidulum*
— *hispidulum* var. *sommerfeltii* (Myrin) Lindb. = *Campylidium sommerfeltii*
— *krylovii* (Podp.) Laz. = *Podperaea krylovii*
— *polygamum* (Bruch et al.) Lange & C.E.O.Jensen = *Drepanocladus polygamus*
— *radicale* (P.Beauv.) Grout = *Amblystegium radicale*
— *sommerfeltii* (Myrin) Lange = *Campylidium sommerfeltii*
— *stellatum* subsp. *protensum* (Brid.) C.E.O.Jensen = *Campylium protensum*
— *stellatum* var. *protensum* (Brid.) Bryhn = *Campylium protensum*
— *zemliae* (C.E.O.Jensen) C.E.O.Jensen = *Drepanocladus arcticus*

Campylophyllum calcareum (Crundw. & Nyholm) Hedenäs = *Campylidium calcareum*
— *hispidulum* auct. non (Brid.) Hedenäs = *Campylidium* [*sommerfeltii* & *calcareum*]
— *hispidulum* (Brid.) Hedenäs = *Campylidium hispidulum*
— *sommerfeltii* (Myrin) Hedenäs = *Campylidium sommerfeltii*

Campylopus fragilis var. *pyriformis* (Schultz) Ångstr. = *Campylopus pyriformis*
— *schwarzii* Schimp. = *Campylopus gracilis*
— *subulatus* var. *schimperi* (Milde) Husn. = *Campylopus schimperi*

Catharinea = *Atrichum*
Cephalocladium enerve (Broth.) Abramova & I.I.Abramov = *Struckia enervis*
— *zerovii* Laz. = *Struckia enervis*
Ceratodon purpureus var. *conicus* (Hampe) Husn. = *Ceratodon conicus*
— *purpureus* var. *rotundifolius* Berggr. = *Ceratodon heterophyllus*
Cinclidium minutifolium Broth. = *Cinclidium latifolium*
Cinclidotus nigricans (Brid.) Wijk & Marg. = *Cinclidotus riparius*
Cirriphyllum apiculigerum (Lindb. & Arnell) Broth. = *Sciuro-hypnum ornellanum*
— *cirrosum* (Schwägr.) Grout = *Brachythecium cirrosum*
— *ornellanum* (Molendo) Loeske = *Sciuro-hypnum ornellanum*
— *plumosum* (Hedw.) Loeske & M.Fleisch. = *Sciuro-hypnum plumosum*
— *reichenbachianum* (Huebener) Wijk & Margad. = *Sciuro-hypnum flotowianum*
— *tenuinerve* (Lindb.) Wijk & Margad. = *Brachythecium tommasinii*

— *tommasinii* (Sendtn. ex Boulay) Grout = *Brachythecium tommasinii*
— *vaucheri* Loeske & M.Fleisch. = *Brachythecium tommasinii*
— *velutinoides* (Bruch et al.) Loeske & M.Fleisch. = *Sciuro-hypnum flotowianum*
Clastobryella kusatsuensis (Besch.) Z.Iwats. = *Pylaisiadelpha yokohamae* — {see annotation 159}
Cratoneuron arcticum Steere = *Hygroamblystegium varium*
— *commutatum* (Hedw.) G.Roth = *Palustriella commutata*
— *commutatum* var. *falcatum* (Brid.) Mönk. = *Palustriella falcata*
— *decipiens* (De Not.) Loeske = *Palustriella decipiens*
— *falcatum* (Brid.) G.Roth = *Palustriella falcata*
— *filicinum* var. *atrovirens* (Brid.) Ochyra = *Cratoneuron filicinum*
— *filicinum* var. *curvicaule* (Jur.) Mönk. = *Cratoneuron curvicaule*
Crossidium chloronotos auct. non (Brid.) Limpr. = *Crossidium crassinerve*
— *griseum* (Jur.) Jur. = *Crossidium squamiferum* var. *pottioideum*
Ctenidium procerrimum (Molendo) Lindb. = *Stereodon procerrimus*
Cupressina ulophylla Müll.Hal. = *Stereodon subimponens* var. *ulophyllum*
Cynodontium alpestre (Wahlenb. ex Huebener) Milde = *Cnestrum alpestre*
— *glaucescens* (Lindb. & Arnell) Paris = *Cnestrum glaucescens*
— *polycarpon* var. *strumiferum* (Hedw.) Schimp. = *Cynodontium strumiferum*
Cyrto-hypnum minutulum (Hedw.) W.R.Buck & H.A. Crum = *Pelekium minutulum*
— *pygmaeum* (Bruch et al.) W.R.Buck & H.A.Crum = *Pelekium pygmaeum*
— *sparsifolium* (Mitt.) W.R.Buck & H.A.Crum = *Pelekium versicolor*
— *vestitissimum* (Besch.) W.R.Buck & H.A.Crum = *Bryochenea vestitissima*
Desmatodon altipes Broth. = *Tortula altipes*
— *arenaceus* Sull. & Lesq. = *Tortula obtusifolia*
— *cernuus* (Huebener) Bruch et al.= *Tortula cernua*
— *glacialis* Funck ex Brid. = *Tortula hoppeana*
— *heimii* (Hedw.) Mitt. = *Hennediella heimii*
— *heimii* var. *arctica* (Lindb.) H.A.Crum = *Hennediella heimii* var. *arctica*
— *latifolius* (Hedw.) Brid. = *Tortula hoppeana*
— *laureri* (Schultz) Bruch et al. = *Tortula laureri*
— *leucostoma* (R.Br.) Berggr. = *Tortula leucostoma*
— *meridionalis* Luisier = *Tortula marginata*
— *obtusifolius* (Schwägr.) Schimp. = *Tortula obtusifolia*
— *oxneri* Laz. = *Tortula randii*
— *randii* (Kenn.) Laz. = *Tortula randii*
— *suberectus* (Drumm.) Limpr.= *Tortula leucostoma*
— *systylius* Schimp. = *Tortula systylia*
— *ucrainicus* Laz. = *Tortula ucrainica*
Dichodontium pellucidum var. *flavescens* (Dicks.) Moore = *Dichodontium flavescens*
Dicranella caucasica (Müll. Hal.) Broth. = *Dicranella heteromalla*
— *heteromalla* var. *curvipes* Lindb. = *Dicranella curvipes*
— *palustris* (Dicks.) Crundw. = *Dichodontium palustre*
— *rigidula* (Hedw.) Dix. = *Dicranella humilis*
— *riparia* (H.Lindb.) Mårtensson & Nyholm = *Kiaeria riparia*
— *schreberi* Schimp. = *Dicranella schreberiana*
— *schreberi* var. *grevilleana* (Brid.) Mönk. = *Dicranella grevilleana*
— *squarrosa* (Schrad.) Schimp. = *Dichodontium palustre*
Dicranodontium longirostre (F.Weber & D.Mohr) Bruch & Schimp. = *Dicranodontium denudatum*
Dicranoweisia crispula (Hedw.) Milde = *Hymenoloma crispulum*
— *compacta* (Schwägr.) Schimp. = *Hymenoloma crispulum*
— *intermedia* J.J.Amann = *Hymenoloma intermedium*
Dicranum affine Funck = *Dicranum undulatum*
— *atratum* Geh. = ?*Dicranum elongatum*
— *bergeri* Blandow = *Dicranum undulatum*
— *congestum* Brid. = *Dicranum fuscescens*
— *congestum* auct. non Brid. = *Dicranum flexicaule*
— *elatum* Lindb. = *Dicranum drummondii*
— *fuscescens* var. *congestum* (Brid.) Husn. = *Dicranum flexicaule*
— *fuscescens* var. *flexicaule* (Brid.) Wilson = *Dicranum flexicaule*
— *muehlenbeckii* var. *brevifolium* Lindb. = *Dicranum brevifolium*
— *neglectum* Jur. ex De Not. = *Dicranum spadiceum*
— *orientale* Otnyukova = *Dicranum dispersum*
— *robustum* Blytt ex Bruch et al. = *Dicranum drummondii*
— *rugosum* Brid. = *Dicranum polysetum*
— *spadiceum* var. *subscabrifolium* Schljakov = *Dicranum spadiceum*
— *strictum* Schleich. ex D.Mohr = *Dicranum tauricum*
— *tundrae* Lindb. & Arnell = ?*Dicranum elongatum*
— *undulatum* auct. non Schrad. ex Brid. = *Dicranum polysetum*
Didymodon aaronis (Lorentz) J.Guerra = *Didymodon australasiae*
— *fallax* var. *reflexus* (Brid.) R.H.Zander = *Didymodon ferrugineus*
— *fragilis* Hook. & Wilson = *Tortella fragilis*
— *gorodkovii* (Abramova & I.I.Abramov) Schljakov = *Didymodon asperifolius* var. *gorodkovii*
— *incrassatus* (Lindb.) Broth. = *Didymodon australasiae*
— *pusillus* Hedw. = *Ditrichum pusillum*
— *rigidulus* subsp. *andreaeoides* (Limpr.) Wijk & Margad. = *Didymodon subandreaeoides*
— *rigidulus* var. *gracilis* (Schleich. ex Hook. & Grev.) R.H.Zander = *Didymodon acutus*
— *rigidulus* var. *icmadophilus* (Schimp. ex Müll.Hal.) R.H.Zander = *Didymodon icmadophilus*
— *rubellus* Bruch et al. = *Bryoerythrophyllum recurvirostrum*
— *rufus* Lorentz = *Didymodon asperifolius*
— *trifarius* auct. non (Hedw.) Röhl = *Didymodon luridus*

— *vinealis* var. *luridus* (Hornsch.) R.H.Zander = *Didymodon luridus*
— *vinealis* var. *flaccidus* (Bruch et al.) R.H.Zander = *Didymodon insulanus*
*Diobelonella palustris (*Dicks.) Ochyra = *Dichodontium palustre*
Distichium montanum I.Hagen = *Distichium capillaceum*
Ditrichum crispatissimum (Müll.Hal.) Paris = *Ditrichum gracile*
— *flexicaule* var. *longifolium* (J.E.Zetterst.) I.Hagen = *Ditrichum gracile*
— *flexicaule* var. *sterile* (De Not.) Limpr. = *Ditrichum gracile*
— *giganteum* R.S.Williams = *Ditrichum gracile*
— *glaucescens* (Müll.Hal.) Hampe = *Saelania glaucescens*
— *heteromallum* var. *zonatum* (Brid.) Podp. = *Ditrichum zonatum*
— *homomallum* (Hedw.) Hampe = *Ditrichum heteromallum*
— *tenuifolium* Lindb. = *Ditrichum cylindricum*
— *tortile* (Schrad.) Brockm. = *Ditrichum pusillum*
Dolichotheca = *Herzogiella*
Drepanocladus aduncus var. *kneiffii* (Schimp.) Mönk. = *Drepanocladus aduncus*
— *aduncus* var. *polycarpos* (Blandow ex Voit) G.Roth = *Drepanocladus aduncus*
— *badius* (Hartm.) G.Roth = *Loeskypnum badium*
— *brevifolius* (Lindb.) Warnst. = *Pseudocalliergon brevifolium*
— *capillifolius* (Warnst.) Warnst. = *Drepanocladus longifolius*
— *cossonii* (Schimp.) Loeske = *Scorpidium cossonii*
— *exannulatus* (Bruch et al.) Warnst. = *Warnstorfia exannulata*
— *exannulatus* var. *tundrae* (Arnell) Warnst. = *Warnstorfia tundrae*
— *fluitans* (Hedw.) Warnst. = *Warnstorfia fluitans*
— *fluitans* var. *pseudostramineus* (Müll.Hal.) Warnst. = *Warnstorfia pseudostraminea*
— *h-schulzei* (Limpr.) Loeske = *Warnstorfia fluitans*
— *intermedius* (Lindb.) Warnst. = *Scorpidium cossonii*
— *kneiffii* (Bruch et al.) Warnst. = *Drepanocladus aduncus*
— *kurilensis* Smirnova = *Warnstorfia fluitans*
— *lapponicus* (Norrl.) Smirnova = *Hamatocaulis lapponicus*
— *latifolius* (Lindb. & Arnell) Warnst. = *Pseudocalliergon brevifolius*
— *lycopodioides* (Brid.) Warnst. = *Pseudocalliergon lycopodioides*
— *polycarpos* (Blandow ex Voit) Warnst. = *Drepanocladus aduncus*
— *procerus* (Renauld & Arnell) Warnst. = *Warnstorfia procera*
— *pseudofluitans* (Sanio) Warnst. = *Drepanocladus aduncus*
— *pseudostramineus* (Müll.Hal.) G.Roth = *Warnstorfia pseudostraminea*
— *revolvens* (Sw. ex anon.) Warnst. = *Scorpidium revolvens*
— *revolvens* var. *intermedius* (Lindb.) Wilson = *Scorpidium cossonii*
— *scorpioides* (Hedw.) Warnst. = *Scorpidium scorpioides*
— *simplicissimus* Warnst. = *Drepanocladus aduncus*
— *tenuinervis* T. J.Kop. = *Drepanocladus sordidus*
— *trichophyllus* (Warnst.) Podp. = *Warnstorfia trichophylla*
— *tundrae* (Arnell) Loeske = *Warnstorfia tundrae*
— *turgescens* (T.Jensen) Broth. = *Pseudocalliergon turgescens*
— *uncinatus* (Hedw.) Warnst. = *Sanionia uncinata*
— *vernicosus* (Mitt.) Warnst. = *Hamatocaulis vernicosus*
— *vernicosus* var. *lapponicus* (Norrl.) G.Roth = *Hamatocaulis lapponicus*
Drummondia ussuriensis Broth. = *Drummondia sinensis* var. *ussuriensis*
Dryptodon atratus (Miel. ex Hornsch.) Limpr. = *Grimmia atrata*
Dryptodon patens (Hedw.) Brid. = *Grimmia ramondii*
Encalypta contorta Hoppe ex Lindb. = *Encalypta streptocarpa*
— *rhabdocarpa* Schwägr. = *Encalypta rhaptocarpa*
— *rhaptocarpa* var. *leptodon* Lindb. = *Encalypta trachymitria*
— *rhaptocarpa* var. *spathulata* (Müll. Hal.) Husn.= *Encalypta spathulata*
— *vulgaris* var. *mutica* Brid. = *Encalypta mutica*
Entodon cladorrhizans auct. non (Hedw.) Müll.Hal. = *Entodon schleicheri*
— *compressus* Müll.Hal. ex Cardot = *Entodon challengeri*
— *orthocarpus* (Brid.) Lindb. = *Entodon concinnus*
— *rubicundus* (Mitt.) A.Jaeger = *Entodon flavescens*
— *sinense* (Dixon) Laz. = *Entodon giraldii*
— *sullivantii* var. *versicolor* (Besch.) Mizushima = *Entodon sullivantii*
Entosthodon pallescens Jur. = *Entosthodon durieui*
— *subpallescens* Laz. = *Entosthodon angustifolius*
Ephemerum serratum var. *minutissimum* (Lindb.) Grout = *Ephemerum minutissimum*
Erythrophyllum recurvirostre (Hedw.) Loeske = *Bryoerythrophyllum recurvirostrum*
Eucladium aeruginosum (Sm.) C.E.O.Jensen = *Gymnostomum aeruginosum*
— *recurvirostre* (Hedw.) C.E.O.Jensen = *Hymenostylium recurvirostrum*
— *styriacum* Glow. = *Eucladium verticillatum*
Eurhynchium altaicum Ignatov = *Sciuro-hypnum altaicum*
— *circinatum* (Brid.) Schimp. = *Scorpiurium circinatum*
— *crassinervium* (Taylor) Bruch et al. = *Cirriphyllum crassinervium*
— *diversifolium* Bruch et al. = *Eurhynchiastrum pulchellum*
— *eustegium* (Besch.) Dixon = *Eurhynchiadelphus eustegius*
— *flotowianum* (Sendtn.) Kartt. = *Sciuro-hypnum flotowianum*
— *hians* (Hedw.) Sande Lac. = *Oxyrrhynchium hians*
— *meridionale (*Bruch et al.) De Not. = *Plasteurhynchium meridionale*

— *praelongum* (Hedw.) Bruch et al. = *Kindbergia praelonga*
— *praelongum* var. *stokesii* (Turner) Dixon = *Kindbergia praelonga*
— *pulchellum* (Hedw.) Jenn. = *Eurhynchiastrum pulchellum*
— *pulchellum* var. *diversifolium* (Bruch et al.) C.E.O. Jensen = *Eurhynchiastrum pulchellum*
— *pulchellum* var. *praecox* (Hedw.) Dixon = *Eurhynchiastrum pulchellum*
— *pumilum* (Wilson) Schimp. = *Oxyrrhynchium pumilum*
— *riparioides* (Hedw.) R.W.Richards = *Rhynchostegium riparioides*
— *schleicheri* (R.Hedw.) Milde = *Oxyrrhynchium schleicheri*
— *speciosum* (Brid.) Jur. = *Oxyrrhynchium speciosum*
— *stokesii* (Turner) Bruch et al. = *Kindbergia praelonga*
— *striatulum* (Spruce) Bruch et al.= *Plasteurhynchium striatulum*
— *striatum* var. *pachycladum* G.Roth = *Eurhynchium angustirete*
— *striatum* subsp. *zetterstedtii* (P.Størmer) Podp. = *Eurhynchium angustirete*
— *strigosum* (F.Weber & D.Mohr) Schimp. = *Eurhynchiastrum pulchellum*
— *swartzii* (Turner) Curn. = *Oxyrrhynchium hians*
— *zetterstedtii* P.Størmer = *Eurhynchium angustirete*

Fissidens adelphinus Besch. = *Fissidens teysmannianus*
— *bambergeri* auct. non Milde = *F. crispus*
— *bryoides* var. *viridulus* (Sw.) Broth. = *Fissidens viridulus*
— *cristatus* Wilson ex Mitt. = *Fissidens dubius*
— *decipiens* De Not. = *Fissidens dubius*
— *gymnandrus* Büse = *Fissidens bryoides* var. *gymnandrus*
— *incurvus* var. *tenuifolius* (Boulay) A.J.E.Sm. = *Fissidens gracilifolius*
— *japonicus* Dozy & Molk. = *F. nobilis*
— *julianus* (Savi ex DC.) Schimp. = *Fissidens fontanus*
— *limbatus* Sull. = *Fissidens crispus*
— *mildeanus* Schimp. = *Fissidens crassipes*
— *minutulus* auct. non Wils. = *Fissidens gracilifolius*
— *obtusifolius* auct. non Wils. = *Fissidens arnoldii*
— *strictulus* Müll.Hal. = *Fissidens curvatus*
— *viridulus* var. *incurvus* (Starke ex Röhl.) Waldh. = *Fissidens incurvus*
— *viridulus* var. *tenuifolius* (Boulay) A. J. E. Sm. = *Fissidens gracilifolius*

Fontinalis gracilis Lindb. = *Fontinalis antipyretica* var. *gracilis*
— *mesopotamica* Schiffn. = *Fontinalis hypnoides* var. *duriaei*
— *nitida* Lindb. & Arnell = *Fontinalis hypnoides* var. *duriaei*

Funaria attenuata (Dicks.) Lindb. = *Entosthodon attenuatus*
— *calcarea* Wahlenb. = *Entosthodon muhlenbergii*
— *dentata* Crome = *Entosthodon muhlenbergii*
— *fascicularis* (Hedw.) Lindb. = *Entosthodon fascicularis*
— *handelii* Schiffn. = *Entosthodon handelii*
— *hibernica* Hook. = *Entosthodon muhlenbergii*
— *hungarica* Boros = *Entosthodon hungaricus*
— *hygrometrica* var. *arctica* Berggr. = *Funaria arctica*
— *mediterranea* Lindb. = *Entosthodon muhlenbergii*
— *muhlenbergii* Turner = *Entosthodon muhlenbergii*
— *obtusifolia* Weinm. = *Funaria hygrometrica*
— *pallescens* (Jur.) Lindb. = *Entosthodon durieui*
— *pulchella* H.Philib. = *Entosthodon pulchellus*
— *subpallescens* (Laz.) Smirnova = *Entosthodon angustifolius*

Geheebia gigantea (Funck) Boulay = *Didymodon giganteus*

Gollania amurensis Broth. = *Gollania ruginosa*
— *densepinnata* Dixon = *Gollania turgens*
— *neckerella* (Müll.Hal.) Broth. var. *coreense* (Cardot) Broth. = *Gollania ruginosa*

Grimmia affinis Hornsch. = *Grimmia longirostris*
— *alpestris* var. *sessitana* (De Not.) I.Hagen = *Grimmia reflexidens*
— *alpicola* auct. non Hedw. = *Schistidium rivulare*
— *alpicola* Hedw. = *Schistidium agassizii*
— *andreaeopsis* Müll.Hal. = *Schistidium andreaeopsis*
— *apiculata* Hornsch. = *Grimmia fuscolutea*
— *apocarpa* Hedw. = *Schistidium apocarpum*
— *apocarpa* var. *gracilis* Röhl. = *Schistidium spp.*
— *apocarpa* var. *taimyrensis* I.G.Borszcz. & G.G.Borszcz. = *Schistidium papillosum*
— *brotheri* Lindb. ex Broth. = *Grimmia hartmanii*
— *calvescens* Kindb. = *Grimmia funalis*
— *campestris* Bruch ex Hook. = *Grimmia laevigata*
— *cardotii* Hérib. ex Seb. = *Grimmia poecilostoma*
— *cavifolia* Lindb. & Arnell = *Grimmia longirostris*
— *commutata* Huebener = *Grimmia ovalis*
— *crassifolia* Lindb. ex Broth. = *Grimmia tergestina*
— *curvata* (Brid.) De Sloover = *Grimmia ramondii*
— *dupretii* Thér. = *Schistidium dupretii*
— *gracilis* Schleich. ex Schwägr. = *Schistidium spp.*
— *hartmanii* var. *anomala* (Hampe) Mönk. = *Grimmia anomala*
— *hartmanii* var. *montenegrina* Breidl. & Szyszyl. = ?*Grimmia hartmanii*
— *laevidens* Broth. = *Grimmia reflexidens*
— *maritima* Sm. ex R.Scott = *Schistidium maritimum*
— *maritima* var. *pilifera* I.Hagen = *Schistidium maritimum* subsp. *piliferum*
— *mesopotamica* Schiffn. = *Grimmia capillata*
— *olympica* E.Britton = *Brachydontium olympicum*
— *ovalis* auct. non (Hedw.) Lindb. = *Grimmia longirostris*
— *ovata* auct. non F.Weber & D.Mohr = *Grimmia ovalis*
— *patens* (Hedw.) Bruch et al. = *Grimmia ramondii*
— *pitardii* Corb. = *Campylostelium pitardii*
— *pulvinata* var. *africana* (Hedw.) Hook.f. & Wilson = *Grimmia pulvinata*
— *rivularis* Brid. = *Schistidium rivulare*
— *sessitana* De Not. = *Grimmia reflexidens*
— *stricta* Turner = *Schistidium spp.*
— *subsulcata* Limpr. = *Grimmia reflexidens*
— *tergestina* var. *poecilostoma* (Cardot & Sebille) Loeske = *Grimmia poecilostoma*

— *tergestina* var. *tergestinoides* (Culm.) Podp. = ?*Grimmia tergestina*
— *tergestinoides* Culm. = *Grimmia tergestina*
— *trichophylla* var. *muehlenbeckii* (Schimp.) Husn. = *Grimmia muehlenbeckii*
— *trichophylla* var. *septentrionalis* Schimp. = *Grimmia muehlenbeckii*
— *trichophylla* var. *tenuis* (Wahlenb.) Wijk & Margad. = *Grimmia muehlenbeckii*
Gymnostomum recurvirostrum Hedw. = *Hymenostylium recurvirostrum*
Habrodon leucotrichus (Mitt.) Perss. = *Iwatsukiella leucotricha*
Hedwigia ciliata var. *leucophaea* Bruch et al. = *Hedwigia ciliata*
Helicodontium pulvinatum (Wahlenb.) Lindb. = *Myrinia pulvinata*
— *rotundifolium* Arnell = *Myrinia rotundifolia*
Helodium lanatum (Brid.) Broth. = *Helodium blandowii*
— *sachalinense* (Lindb.) Broth. = *Echinophyllum sachalinense*
Heterocladium leucotrichum Mitt. = *Iwatsukiella leucotricha*
— *papillosum* (Lindb.) Lindb. = *Pseudoleskeella papillosa*
— *squarrosulum* Lindb. = *Heterocladium dimorphum*
Heterophyllium adscendens (Lindb.) Broth. = *Herzogiella adscendens*
— *haldanianum* (Grev.) M.Fleisch. = *Callicladium haldanianum*
— *nemorosum* (Koch ex Brid.) Kindb. = *Heterophyllium affine*
Homalia besseri Lobarz. = *Neckera besseri*
— *japonica* Besch. = *Homalia trichomanoides*
— *woronowii* Thér = *Homalia webbiana*
Homaliadelphus laevidentatus (S.Okamura) Z.Iwats. = *Homaliadelphus targionianus* var. *laevidentatus*
Homalothecium aristatum Laz. = *Homalothecium philippeanum*
— *geheebii* (Milde) Wigh = *Brachythecium geheebii*
— *nitens* (Hedw.) H.Rob. = *Tomentypnum nitens*
— *tokiadense* (Mitt.) Besch. = *Homalothecium laevisetum*
Hondaella brachytheciella (Broth. & Paris) Ando = *Hondaella caperata*
Hydrogrimmia mollis (Bruch et al.) Loeske = *Grimmia mollis*
Hygroamblystegium fallax (Brid.) Loeske = *Cratoneuron filicinum*
— *irriguum* (Hook. & Wilson) Loeske = *Hygroamblystegium tenax*
— *tenax* var. *spinifolium* (Schimp.) Jenn. = *Hygroamblystegium tenax*
Hygrohypnella duriuscula (De Not.) Ignatov & Ignatova = *Ochyraea duriuscula*
Hygrohypnum alpestre (Hedw.) Loeske = *Ochyraea alpestris*
— *bestii* (Renauld & Brynh) Broth. = *Hygrohypnella bestii*
— *cochlearifolium* (Venturi) Broth. = *Ochyraea cochlearifolia*
— *dilatatum* auct. non (Wilson) Loeske = *Ochyraea duriuscula*
— *duriusculum* (De Not.) D.W.Jamieson = *Ochyraea duriuscula*
— *ehlei* (Arnell) Broth. = *Hygrohypnella polare*
— *eugyrium* (Bruch et al.) Broth. = *Pseudohygrohypnum eugyrium*
— *molle* (Hedw.) Loeske = *Ochyraea mollis*
— *molle* subsp. *dilatatum* (Wilson) Grout = *Ochyraea duriuscula*
— *norvegicum* (Bruch et al.) J.J.Amann = *Ochyraea norvegica*
— *ochraceum* (Turner ex Wilson) Loeske = *Hygrohypnella ochracea*
— *palustre* Loeske = *Hygrohypnum luridum*
— *polare* (Lindb.) Loeske = *Hygrohypnella polare*
— *polare* var. *falcatum* (Bryhn) Broth. = *Hygrohypnella polare*
— *rivulare* Broth. = *Ochyraea alpestris*
— *smithii* (Sw.) Broth. = *Ochyraea smithii*
— *smithii* var. *cochlearifolium* (Venturi ex De Not.) Mönk. = *Ochyraea cochlearifolia*
— *subeugyrium* (Renauld & Cardot) Broth. = *Pseudohygrohypnum subeugyrium*
Hylocomium alaskanum (Lesq. & James) Austin = *Hylocomium splendens* var. *obtusifolium*
— *brevirostre* (Brid.) Bruch et al. = *Loeskeobryum brevirostre*
— *proliferum* (Brid.) Lindb. = *Hylocomium splendens*
— *pyrenaicum* (Spruce) Lindb. = *Hylocomiastrum pyrenaicum*
— *splendens* var. *alaskanum* (Lesq. & James) Limpr. = *Hylocomium splendens* var. *obtusifolium*
— *umbratum* (Hedw.) Bruch et al. = *Hylocomiastrum umbratum*
Hymenostomum spp. = *Weissia spp.*
— *microstomum* (Hedw.) R. Br. = *Weissia brachycarpa*
— *squarrosum* Nees & Hornsch. = *Weissia squarrosa*
Hypnum arcuatum Lindb. = *Calliergonella lindbergii*
— *bambergeri* Schimp. = *Stereodon bambergeri*
— *callichroum* Brid. = *Stereodon callichrous*
— *cupressiforme* var. *ericetorum* Bruch et al. = *Hypnum jutlandicum*
— *cupressiforme* var. *filiforme* Brid. = *Hypnum cupressiforme*
— *cupressiforme* var. *julaceum* Brid. = *Hypnum cupressiforme*
— *cupressiforme* var. *mamillatum* Brid. = *Hypnum andoi*
— *cupressiforme* var. *vaucheri* (Lesq.) Boulay = *Stereodon vaucheri*
— *fastigiatum* Brid. = *Drepanium recurvatum*
— *fastigiatum* var. *recurvatum* (Lindb. & Arnell) Uggla = *Drepanium recurvatum*
— *fauriei* Cardot = *Stereodon fauriei*
— *fertile* Sendtn. = *Stereodon fertilis*
— *hamulosum* Bruch et al. = *Stereodon hamulosus*
— *holmenii* Ando = *Stereodon holmenii*
— *lacunosum* (Brid.) Brid. = *Hypnum cupressiforme* var. *lacunosum*

— *leptothallum* (Müll.Hal.) Paris = *Eurohypnum leptothallum*
— *lindbergii* Mitt. = *Calliergonella lindbergii*
— *mamillatum* (Brid.) Loeske = *Hypnum andoi*
— *pallescens* (Hedw.) P. Beauv. = *Stereodon pallescens*
— *plicatulum* (Lindb.) A.Jaeger = *Stereodon plicatulus*
— *plumaeforme* Wilson = *Stereodon plumaeformis*
— *pratense* W.D. J.Koch ex Spruce = *Breidleria pratensis*
— *procerrimum* Molendo = *Stereodon procerrimus*
— *recurvatum* (Lindb. & Arnell) Kindb. = *Drepanium recurvatum*
— *reptile* Michx. = *Stereodon pallescens*
— *revolutum* (Mitt.) Lindb. = *Stereodon revolutus*
— *subimponens* Lesq. = *Stereodon subimponens*
— *subplicatile* Limpr. = *Stereodon plicatulus*
— *tristo-viride* (Broth.) Paris = *Stereodon tristo-viridis*
— *vaucheri* Lesq. = *Stereodon vaucheri*

Hypopterygium japonicum Mitt. = *Hypopterygium flavolimbatum*
Imbribryum alpinum (Huds. ex With.) N.Pedersen = *Bryum alpinum*
— *muehlenbeckii* (Bruch et al.) N.Pedersen = *Bryum muehlenbeckii*
Isopterygium alpicola (Lindb. & Arnell) Nyholm = *Isopterygiopsis alpicola*
— *alternans* Cardot = *Taxiphyllum alternans*
— *elegans* (Brid.) Lindb. = *Pseudotaxiphyllum elegans*
— *depressum* (Brid.) Mitt. = *Taxiphyllum wissgrillii*
— *muellerianum* (Schimp.) A.Jaeger = *Isopterygiopsis muelleriana*
— *nitidum* Lindb. = *Isopterygiopsis pulchella*
— *nitidum* var. *pulchellum* (Hedw.) Lindb. = *Isopterygiopsis pulchella*
— *pulchellum* (Hedw.) A.Jaeger = *Isopterygiopsis pulchella*
— *pulchellum* var. *nitidulum* (Wahlenb.) G.Roth = *Isopterygiopsis pulchella*
— *turfaceum* (Lindb.) Lindb. = *Herzogiella turfacea*

Isothecium diversiforme (Mitt.) Besch. = *Dolichomitriopsis diversiformis*
— *filescens* (Brid.) Mönk. = *Plasteurhynchium striatulum*
— *myurum* Brid. = *Isothecium alopecuroides*

Leptodictyum humile (P. Beauv.) Ochyra= *Hygroamblystegium humile*
— *kochii* (Bruch et al.) Warnst. = *Hygroamblystegium humile*
— *trichopodium* (Schultz) Warnst. = *Hygroamblystegium humile*
— *trichopodium* var. *curvipes* (Bruch et al.) Broth. = *Hygroamblystegium humile*

Leptodontium styriacum (Jur.) Limpr. = *Leptodontium flexifolium*
Lescuraea atrovirens (Dicks. ex Brid.) Kindb. = *Lescuraea incurvata*
— *mutabilis* var. *saxicola* (Bruch et al.) I.Hagen = *Lescuraea saxicola*
— *striata* var. *saxicola* Bruch et al. = *Lescuraea saxicola*

Leskea grandiretis Lindb. ex Broth.= *Lindbergia grandiretis*
— *incrassata* Lindb. ex Broth. = *Pseudoleskeella nervosa*
— *rostrata* Hedw. = *Claopodium rostratum*

Leskeella incrassata (Lindb. ex Broth.) Broth. = *Pseudoleskeella nervosa*
— *nervosa* (Brid.) Loeske = *Pseudoleskeella nervosa*
— *nervosa* var. *sibirica* Arnell = *Pseudoleskeella rupestris*
— *tectorum* (Funck ex Brid.) I.Hagen = *Pseudoleskeella tectorum*

Limnobium duriusculum De Not. = *Ochyraea duriuscula*
Limprichtia cossonii (Schimp.) L.E.Anderson, H.A.Crum & W.R.Buck = *Scorpidium cossonii*
— *intermedia* (Lindb.) Loeske = *Scorpidium cossonii*
— *revolvens* (Sw. ex anon.) Loeske = *Scorpidium revolvens*
— *vernicosa* (Mitt.) Loeske = *Hamatocaulis vernicosus*

Lindbergia brachyptera auct. Fl. Cauc. non (Mitt.) Kindb. = *Lindbergia grandiretis*
Loeskeobryum cavifolium (Sande Lac.) M.Fleisch. ex Broth. = *Loeskeobryum brevirostre*
Lydiaea vlassovii (Laz.) Laz. = *Microbryum vlassovii*
Meesia trichoides Spruce = *Meesia uliginosa*
— *trifaria* H.A.Crum, Steere & L.E.Anderson = *Meesia triquetra*
Merceya acutiuscula (Lindb. ex Broth.) Broth. = *Scopelophila ligulata*
— *ligulata* (Spruce) Schimp. = *Scopelophila ligulata*
— *ligulata* var. *acutiuscula* (Lindb. ex Broth.) P.C.Chen = *Scopelophila ligulata*
Metaneckera menziesii (Drumm.) Steere = *Neckera menziesii*
Microthuidium minutulum (Hedw.) Warnst. = *Pelekium minutulum*
Mielichhoferia himalayana Mitt. = *Bryum caucasicum*
— *mielichhoferiana* var. *elongata* (Hoppe & Hornsch. ex Hook.) Wijk & Margad. = *Mielichhoferia elongata*
— *mielichhoferiana* var. *japonica* (Besch.) Ochi = *Mielichhoferia japonica*
— *nitida* Nees & Hornsch. = *Mielichhoferia mielichhoferiana*

Mniobryum albicans (Wahlenb.) Limpr. = *Pohlia wahlenbergii*
— *atropurpureum* (Wahlenb.) I.Hagen = *Pohlia atropurpurea*
— *carneum* Limpr. = *Pohlia melanodon*
— *delicatulum* (Hedw.) Dixon = *Pohlia melanodon*
— *ludwigii* (Spreng. ex Schwägr.) Loeske = *Pohlia ludwigii*
— *pulchellum* (Hedw.) Loeske = *Pohlia lescuriana*
— *vexans* Limpr. = *Pohlia vexans*
— *wahlenbergii* (F.Weber & D.Mohr) Jenn. = *Pohlia wahlenbergii*
— *wahlenbergii* var. *glaciale* (Brid.) Wijk & Margad. = *Pohlia wahlenbergii*

Mnium acutum Lindb. = *Plagiomnium acutum*
— *affine* Bland. = *Plagiomnium affine*
— *affine* var. *elatum* Bruch et al. = *Plagiomnium elatum*
— *affine* var. *integrifolium* (Lindb.) Milde = *Plagiomnium ellipticum*

— *affine* var. *rugicum* (Laurer) Bruch et al. = *Plagiomnium ellipticum*
— *ambiguum* H. Müll. = *Mnium lycopodioides*
— *andrewsianum* Steere = *Rhizomnium andrewsianum*
— *arcuatum* Broth. = *Trachycystis ussuriensis*
— *cinclidioides* Huebener = *Pseudobryum cinclidioides*
— *confertidens* (Lindb. & Arnell) Kindb. = *Plagiomnium confertidens*
— *curvatulum* (Lindb.) Limpr. = *Plagiomnium curvatulum*
— *cuspidatum* Hedw. = *Plagiomnium cuspidatum*
— *drummondii* Bruch & Schimp. = *Plagiomnium drummondii*
— *ellipticum* Brid. = *Plagiomnium ellipticum*
— *flagellare* Sull. & Lesq. = *Trachycystis flagellaris*
— *hymenophylloides* Huebener = *Cyrtomnium hymenophylloides*
— *hymenophyllum* Bruch et al. = *Cyrtomnium hymenophyllum*
— *immarginatum* Broth. = *Trachycystis ussuriensis*
— *japonicum* Lindb. = *Plagiomnium japonicum*
— *lindbergii* Smirnova = *Mnium lycopodioides*
— *longirostre* Brid. = *Plagiomnium rostratum*
— *magnifolium* Horik. = *Rhizomnium magnifolium*
— *magnirete* (Lindb. & Arnell) Kindb. = *Mnium lycopodioides*
— *maximoviczii* Lindb. = *Plagiomnium maximoviczii*
— *medium* Bruch et al. = *Plagiomnium medium*
— *medium* var. *curvatulum* (Lindb.) G.Roth = *Plagiomnium curvatulum*
— *microovale* Müll.Hal. = *Plagiomnium maximoviczii*
— *microphyllum* Dozy & Molk. = *Trachycystis microphyllus*
— *minutulum* Besch. = *Rhizomnium parvulum*
— *nudum* E.Britton & R.S.Williams = *Rhizomnium nudum*
— *orthorrhynchum* Müll.Hal. = *Mnium thomsonii*
— *pseudopunctatum* Bruch & Schimp. = *Rhizomnium pseudopunctatum*
— *punctatum* Hedw. = *Rhizomnium punctatum*
— *punctatum* var. *elatum* Schimp. = *Rhizomnium magnifolium*
— *riparium* Mitt. = *Mnium lycopodioides*
— *rostratum* Schrad. = *Plagiomnium rostratum*
— *rugicum* Laurer = *Plagiomnium ellipticum*
— *seligeri* Jur. = *Plagiomnium elatum*
— *serratum* Schrad. ex Brid. = *Mnium marginatum*
— *striatulum* Mitt. = *Rhizomnium striatulum*
— *submarginatum* Nawashin & N.W.Zinger = *Rhizomnium pseudopunctatum*
— *trichomanes* Mitt. = *Plagiomnium acutum*
— *undulatum* Hedw. = *Plagiomnium undulatum*
— *vesicatum* Besch. = *Plagiomnium vesicatum*

Myurella apiculata (Sommerf.) Bruch et al. = *Myurella tenerrima*
Myuroclada rotundifolia (Arnell) Abramova & I.I.Abramov = *Myrinia rotundifolia*
Neckera oligocarpa Bruch = *Neckera pennata* var. *tenera*
— *turgida* Jur. = *Neckera menziesii*
Nyholmiella gymnostoma (Bruch ex Brid.) Holmen & E.Warncke = *Orthotrichum gymnostomum*
— *obtusifolia* (Brid.) Holmen & E.Warncke = *Orthotrichum obtusifolium*
Octodiceras fontanum (Bach. Pyl.) Lindb. = *Fissidens fontanus*
— *julianum* (Savi ex DC.) Brid. = *Fissidens fontanus*
Oncophorus wahlenbergii var. *compactus* (Bruch et al.) Braithw. = *Oncophorus compactus*
Oreoweisia bruntonii (Sm.) Milde = *Cynodontium bruntonii*
Orthodicranum flagellare (Hedw.) Loeske = *Dicranum flagellare*
— *fragilifolium* (Lindb.) Podp. = *Dicranum fragilifolium*
— *hamulosum* (Mitt.) Broth. = *Dicranum hamulosum*
— *mayrii* (Broth.) Smirnova = *Dicranum mayrii*
— *montanum* (Hedw.) Loeske = *Dicranum montanum*
— *strictum* auct. = *Dicranum tauricum*
— *tauricum* (Sapjegin) Smirnova = *Dicranum tauricum*
Orthotheciella varia (Hedw.) Ochyra = *Hygroamblystegium varium*
Orthodontium australe Hook.f. & Wilson = *Orthodontium lineare*
Orthotrichum australe Jur. = *Orthotrichum tenellum*
— *caucasicum* Venturi = *Orthotrichum sordidum*
— *cupulatum* var. *nudum* (Dicks.) Lindb. = *Orthotrichum cupulatum* var. *riparium*
— *elegans* Schwägr. ex Hook. & Grev. = *Orthotrichum speciosum*
— *fallax* Bruch ex Brid. = *Orthotrichum pumilum*
— *fastigiatum* Bruch ex Brid. = *Orthotrichum affine*
— *killiasii* Müll.Hal. = *Orthotrichum speciosum*
— *laevigatum* var. *japonicum* (Z.Iwats.) Lewinsky = *Orthotrichum iwatsukii*
— *limprichtii* I.Hagen = *Orthotrichum cupulatum*
— *nudum* Dicks. = *Orthotrichum cupulatum* var. *riparium*
— *pallidum* Gronvall, nom. illeg. = *Orthotrichum pallens*
— *philibertii* Venturi = *Orthotrichum pumilum*
— *saxatile* Schimp. = *Orthotrichum anomalum*
— *sibiricum* Gronvall = *Orthotrichum pallens*
— *schimperi* Hammar = *Orthotrichum pumilum*

Oxyrrhynchium praelongum (Hedw.) Warnst. = *Kindbergia praelonga*
Oxystegus cylindricus (Bruch ex Brid.) Hilp. = *Oxystegus tenuirostris*
Pachyfissidens grandifrons (Brid.) Limpr. = *Fissidens grandifrons*
Palustriella commutata var. *falcata* (Brid.) Ochyra = *Palustriella falcata*
— *commutata* var. *fallax* (Brid.) Ochyra = *Palustriella commutata*
Paraleucobryum longifolium var. *sauteri* (Bruch et al.) C.E.O.Jensen = *Paraleucobryum sauteri*
Phascum acaulon With. = *Tortula acaulon*
— *curvicolle* Hedw. = *Microbryum curvicollum*
— *cuspidatum* Hedw. = *Tortula acaulon*
— *cuspidatum* var. *piliferum* (Hedw.) Hook. & Taylor = *Tortula acaulon*
— *floerkeanum* F.Weber & D.Mohr = *Microbryum floerkeanum*
— *piliferum* Hedw. = *Tortula acaulon*
— *vlassovii* Laz. = *Microbryum vlassovii*

Philonotis capillaris auct. non Lindb. = *Philonotis arnellii*

— *fontana* var. *caespitosa* (Jur.) Limpr. = *Philonotis caespitosa*
— *fontana* var. *falcata* auct. non (Hook.) Brid. = *Philonotis calcarea*
— *fontana* var. *pumila* (Turner) Brid. = *Philonotis tomentella*
— *fontana* var. *seriata* (Mitt.) Kindb. = *Philonotis seriata*
Physcomitrium acuminatum Bruch et al. = *Physcomitrium eurystomum* subsp. *acuminatum*
— *martjanovii* Broth. ex I.I.Abramov = *Entosthodon hungaricus*
— *patens* (Hedw.) Mitt. = *Physcomitrella patens*
Plagiobryum bimum (Schreb.) N.Pedersen = *Bryum bimum*
— *capillare* (Hedw.) N.Pedersen = *Bryum capillare*
— *cyclophyllum* (Schwägr.) N.Pedersen = *Bryum cyclophyllum*
— *demissum* subsp. *hultenii* Ochi & Perss. = *Plagiobryum hultenii*
— *pallens* (Sw. ex anon.) N.Pedersen = *Bryum pallens*
— *pallescens* (Schleich. ex Schwägr.) N.Pedersen = *Bryum pallescens*
— *pseudotriquetrum* (Hedw.) N.Pedersen (incl. *B. pseudocrispulum) = Bryum pseudotriquetrum*
— *purpurascens* (R.Br.) N.Pedersen = *Bryum purpurascens*
— *uliginosum* (Brid.) N.Pedersen = *Bryum uliginosum*
— *wrightii* (Sull. & Lesq.) N.Pedersen = *Bryum wrightii*
Plagiomnium medium subsp. *curvatulum* (Lindb.) T.J.Kop. = *Plagiomnium curvatulum*
Plagiopus oederi (Brid.) Limpr. = *Plagiopus oederianus*
Plagiotheciella latebricola (Bruch et al.) M.Fleisch. = *Plagiothecium latebricola*
— *pilifera* (Sw. ex Hartm.) M.Fleisch. = *Plagiothecium piliferum*
Plagiothecium denticulatum var. *curvifolium* (Schlieph. ex Limpr.) Meylan = *Plagiothecium curvifolium*
— *denticulatum* var. *laetum* (Bruch et al.) Lindb. = *Plagiothecium laetum*
— *denticulatum* var. *ruthei* (Limpr.) Riehm. = *Plagiothecium denticulatum* var. *undulatum*
— *depressum* (Brid.) Spruce = *Taxiphyllum wissgrillii*
— *donnianum* (Sm.) Mitt. = *Plagiothecium denticulatum*
— *laetum* var. *curvifolium* (Limpr.) Mastracci & M.Sauer = *Plagiothecium curvifolium*
— *neglectum* Mönk. = *Plagiothecium nemorale*
— *roeseanum* Bruch et al. = *Plagiothecium cavifolium*
— *ruthei* Limpr. = *Plagiothecium denticulatum* var. *undulatum*
— *silesiacum* (F.Weber & D.Mohr) Bruch et al. = *Herzogiella seligeri*
— *sylvaticum* (Brid.) Bruch et al. = *Plagothecium* spp.
Platydictya baicalensis (Ignatov & Ochyra) Hedenäs = *Bardunowia baicalensis*
— *confervoides* (Brid.) H.A.Crum = *Serpoleskea confervoides*
— *subtilis* (Hedw.) H.A.Crum = *Serpoleskea subtilis*
Platyhypnidium riparioides (Hedw.) Dixon = *Rhynchostegium riparioides*
Pleuridium alternifolium auct. non (Dicks. ex Hedw.) Rabenh. = *Pleuridium subulatum*
— *palustre* (Bruch & Schimp.) Bruch et al. = *Cleistocarpidium palustre*
Pleuropus euchloron (Müll.Hal.) Broth. = *Palamocladium euchloron*
Pleuroweisia schliephackei Limpr. ex Schlieph. = *Molendoa schliephackei*
Pogonatum alpinum (Hedw.) Röhl. = *Polytrichastrum alpinum*
— *capillare* (Michx.) Brid. = *Pogonatum dentatum*
— *grandifolium* (Lindb.) A.Jaeger = *Pogonatum japonicum*
— *laterale* Brid. = *Pogonatum contortum*
Pohlia acuminata auct. = *Pohlia elongata* var. *greenii*
— *ambigua* (Limpr.) Broth. = *Pohlia elongata* var. *greenii*
— *betulina* Warnst. = *Pohlia nutans*
— *carnea* (Schimp.) Lindb. = *Pohlia melanodon*
— *delicatula* (Hedw.) Grout = *Pohlia melanodon*
— *drummondii* var. *gracilis* (Bruch et al.) Podp. = *Pohlia filum*
— *elongata* var. *acuminata* auct. = *Pohlia elongata* var. *greenii*
— *elongata* var. *acuminata* (Hoppe & Hornsch.) Huebener = *Pohlia elongata*
— *elongata* var. *minor* Hartm. = *Pohlia elongata* var. *greenii*
— *elongata* var. *polymorpha* (Hoppe & Hornsch.) Nyholm = *Pohlia elongata* var. *greenii*
— *filiformis* (Dicks.) A.L.Andrews = *Anomobryum julaceum*
— *gracilis* (Bruch et al.) Lindb. = *Pohlia filum*
— *gracillima* (Cardot) Horik. & Ochi = *Pohlia leucostoma*
— *minor* auct. = *Pohlia elongata* var. *greenii*
— *polymorpha* auct. non Hoppe & Hornsch. = *Pohlia elongata* var. *greenii*
— *polymorpha* Hoppe & Hornsch. = *Pohlia elongata*
— *pulchella* (Hedw.) Lindb. = *Pohlia lescuriana*
— *rothii* auct. non (Correns ex Limpr.) Broth. = *Pohlia andalusica*
— *schimperi* (Müll.Hal.) A.L.Andrews = *Pohlia nutans* var. *schimperi*
— *wahlenbergii* var. *glacialis* (Brid.) E.F.Warb. = *Pohlia wahlenbergii*
Polytrichastrum longisetum var. *anomalum* (Milde) Ignatov & G.L.Sm. = *Polytrichastrum longisetum*
— *norwegicum* (Hedw.) Schljakov = *Polytrichastrum alpinum* var. *septentrionale*
Polytrichum affine Funck = *Polytrichum strictum*
— *alpestre* Hoppe = *Polytrichum strictum*
— *alpinum* Hedw. = *Polytrichastrum alpinum*
— *commune* var. *humile* Sw. = *Polytrichum commune*
— — var. *nigrescens* Warnst. = *Polytrichum swartzii*
— — var. *perigoniale* (Michx.) Hampe = *Polytrichum commune*
— — var. *swartzii* (Hartm.) Nyholm = *Polytrichum swartzii*
— — var. *uliginosum* Wallr. = *Polytrichum commune* —

— *decipiens* Limpr. = *Polytrichastrum pallidisetum*
— *formosum* Hedw. = *Polytrichastrum formosum*
— *formosum* var. *decipiens* (Limpr.) Loeske = *Polytrichastrum pallidisetum*
— *fragile* Bryhn = *Polytrichastrum alpinum* var. *fragile*
— *gracile* Dicks. = *Polytrichastrum longisetum*
— *juniperinum* var. *affine* (Funck) Brid. = *Polytrichum strictum*
— *juniperinum* var. *alpestre* (Hoppe) Röhl. = *Polytrichum strictum*
— *longisetum* Sw. ex Brid. = *Polytrichastrum longisetum*
— *norvegicum* auct. = *Polytrichastrum sexangulare*
— *ohioense* auct. non Renauld & Cardot = *Polytrichastrum pallidisetum*
— *pallidisetum* Funck = *Polytrichastrum pallidisetum*
— *perigoniale* Michx. = *Polytrichum commune*
— *sexangulare* Floerke ex Brid. = *Polytrichastrum sexangulare*
— *sphaerothecium* (Besch.) Müll.Hal. = *Polytrichastrm sphaerothecium*
— *strictum* var. *alpestre* (Hoppe) Rabenh. = *Polytrichum strictum*

Pottia angustifolia (Lindb.) Paris = *Microbryum davallianum*
— *bryoides* (Dicks.) Mitt. = *Tortula protobryoides*
— *caucasica* (Lindb. ex Broth.) Paris = *Tortula caucasica*
— *curvicollis* (Hedw.) Mitt. = *Microbryum curvicolle*
— *davalliana* (Sm.) C.E.O.Jensen = *Microbryum davallianum*
— *davalliana* var. *angustifolia* (Lindb. ex Broth.) Podp. = *Microbryum davallianum*
— *heimii* (Hedw.) Hampe = *Hennediella heimii*
— *heimii* var. *obtusifolia* (Müll.Hal.) I.Hagen = *Hennediella heimii* var. *arctica*
— *intermedia* (Turner) Fürnr. = *Tortula modica*
— *lanceolata* (Hedw.) Müll.Hal. = *Tortula lanceola*
— *lindbergii* (Kindb.) Warnst. = *Tortula lindbergii*
— *mutica* Venturi = *Microbryum davallianum*
— *recta* (With.) Mitt. = *Microbryum rectum*
— *rufescens* Müll.Hal. = *Microbryum davallianum*
— *starckeana* (Hedw.) Müll.Hal. = *Microbryum starckeanum*
— *truncata* (Hedw.) Bruch et al. = *Tortula truncata*

Protobryum bryoides (Dicks.) J.Guerra & M.J.Cano = *Tortula protobryoides*
Pseudisothecium myosuroides (Brid.) Grout = *Isothecium myosuroides*
Pseudoleskea atrovirens (Dicks. ex Brid.) Bruch et al. = *Lescuraea incurvata*
— *chilensis* (Lorentz) Ochyra = *Hygroamblystegium varium*
— *decipiens* (Limpr.) Kindb. = *Lescuraea saxicola*
— *filamentosa* (Dicks. ex With.) C.E.O.Jensen = *Lescuraea incurvata*
— *incurvata* (Hedw.) Loeske = *Lescuraea incurvata*
— *korjakorum* Laz. = *Myrinia pulvinata*
— *patens* (Lindb.) Kindb. = *Lescuraea patens*
— *radicosa* (Mitt.) Macoun & Kindb. = *Lescuraea radicosa*
— *saviana* (De Not.) Latzel = *Lescuraea saviana*
— *secunda* (Arnell) Broth. = *Lescuraea secunda*
— *tectorum* (Funck ex Brid.) Schimp.= *Pseudoleskeella tectorum*

Pseudoleskeella nervosa var. *rupestris* (Berggr.) Nyholm = *Pseudoleskeella rupestris*
— *nervosa* var. *sibirica* (Arnell) E.Lawton = *Pseudoleskeella rupestris*
— *sibirica* (Arnell) P.S.Wilson & D.H.Norris = *Pseudoleskeella rupestris*

Pseudostereodon procerrimus (Molendo) M.Fleisch. = *Stereodon procerrimus*
Psilopilum falcatum (Steere) H.A.Crum, Steere & L.E.Anderson = *Oligotrichum falcatum*
Pterigynandrum filiforme var. *decipiens* (F.Weber & D.Mohr) Limpr. = *Pterigynandrum filiforme*
Pterygoneurum arcticum Steere = *Pterygoneurum lamellatum*
— *cavifolium* Jur. = *Pterygoneurum ovatum*
— *medium* (E.S.Salmon) Broth. = *Pterygoneurum ovatum*

Ptychodium plicatum (Schleich. ex F.Weber & D.Mohr) Schimp. = *Lescuraea plicata*
Pylaisia intricata auct. non (Hedw.) Bruch et al. = *Pylaisia stereodontoides*
— *schimperi* Cardot = *Pylaisia selwynii*

Pylaisiella spp. = *Pylaisia spp.*
Racomitrium aciculare (Hedw.) Brid. = *Codriophorus acicularis*
— *affine* (Schleich. ex F.Weber & D.Mohr) Lindb. = *Bucklandiella affinis*
— *afoninae* Frisvoll = *Bucklandiella afoninae*
— *aquaticum* (Brid. ex Schrad.) Brid. = *Codriophorus aquaticus*
— *barbuloides* Cardot = *Niphotrichum barbuloides*
— *brevisetum* Lindb. = *Codriophorus brevisetus*
— *canescens* (Hedw.) Brid. = *Niphotrichum canescens*
— *canescens* var. *epilosum* H.Müll. ex Milde = *Niphotrichum ericoides*
— *canescens* var. *ericoides* (Brid.) Hampe = *Niphotrichum ericoides*
— *canescens* var. *latifolium* Lange & C.E.O.Jensen = *Niphotrichum canescens*
— *canescens* var. *robustum* (Lindb. & Arnell) Paris = *Niphotrichum panschii*
— *canescens* var. *strictum* Schlieph. = ? *Niphotrichum ericoides*
— *canescens* var. *vulgare* Loeske = *Niphotrichum canescens*
— *elongatum* Ehrh. ex Frisvoll = *Niphotrichum elongatum*
— *ericoides* (Brid.) Brid. = *Niphotrichum ericoides*
— *fasciculare* (Hedw.) Brid. = *Codriophorus fascicularis*
— *fontinaloides* (Hedw.) Brid. = *Cinclidotus fontinaloides*
— *heterostichum* (Hedw.) Brid. = *Bucklandiella heterosticha*
— *heterostichum* var. *affine* (Schleich. ex F.Weber & D.Mohr) Lesq. = *Bucklandiella affinis*
— *heterostichum* var. *alopecurum* Huebener = *Bucklandiella affinis*
— *heterostichum* var. *gracilescens* Bruch et al. = *Bucklandiella heterosticha*
— *heterostichum* var. *microcarpon* (Hedw.) Boulay = *Bucklandiella microcarpa*

— *heterostichum* var. *sudeticum* (Funck) E.Bauer = *Bucklandiella sudetica*
— *hypnoides* Lindb. = *Racomitrium lanuginosum*
— *japonicum* Dozy & Molk. = *Niphotrichum japonicum*
— *laetum* Besch. & Cardot = *Bucklandiella laeta*
— *macounii* subsp. *alpinum* (E.Lawton) Frisvoll = *Bucklandiella macounii* subsp. *alpina*
— *microcarpon* (Hedw.) Brid. = *Bucklandiella microcarpa*
— *muticum* (Kindb.) Frisvoll = *Niphotrichum muticum*
— *panschii* (Müll.Hal.) Kindb. = *Niphotrichum panschii*
— *patens* (Hedw.) Huebener = *Grimmia ramondii*
— *ramulosum* Lindb. = *Bucklandiella microcarpa*
— *riparium* (Host ex Brid.) Brid. = *Cinclidotus riparius*
— *sudeticum* (Funck) Bruch et al. = *Bucklandiella sudetica*
— *virescens* Lindb. = *Codriophorus fascicularis*
Rhabdoweisia kusenevae Broth. = *Rhabdoweisia crispata*
Rhizomnium perssonii T.J.Kop. = *Rhizomnium magnifolium*
— *punctatum* var. *elatum* (Schimp.) T.J.Kop. = *Rhizomnium magnifolium*
Rhodobryum spathulatum (Hornsch.) Pocz = *Rhodobryum ontariense*
Rhynchostegiella compacta (Drumm. ex Müll.Hal.) Loeske) = *Conardia compacta*
— *jacquinii* (Garov.) Limpr. = *Rhynchostegiella teneriffae*
— *pallidirostris* (Brid.) Loeske = *Oxyrrhynchium pumilum*
— *pumila* (Wilson) E.F.Warb. = *Oxyrrhynchium pumilum*
— *teesdalei* (Bruch et al.) Limpr. = *Rhynchostegiella teneriffae*
Rhynchostegium murale var. *arcticum* I.Hagen = *Rhynchostegium arcticum*
Rhytidiadelphus squarrosus var. *calvescens* (Kindb.) Warnst. = *Rhytidiadelphus subpinnatus*
Rhytidiastrum squarrosum (Hedw.) Ignatov & Ignatova = *Rhytidiadelphus squarrosus*
— *subpinnatum* (Lindb.) Ignatov & Ignatova = *Rhytidiadelphus subpinnatus*
Sanionia nivalis Hedenäs = *Sanionia georgicouncinata*
Sarmentypnum exannulatum (Bruch et al.) Hedenäs = *Warnstorfia exannulata*
— *procerum* (Renauld & Arnell) Hedenäs = *Warnstorfia procera*
— *pseudosarmentosum* (Cardot & Thér.) Hedenäs = *Warnstorfia pseudosarmentosa*
— *sarmentosum* (Wahlenb.) Tuom. & T.J.Kop. = *Warnstorfia sarmentosa*
— *trichophyllum* (Warnst.) Hedenäs = *Warnstorfia trichophylla*
— *tundrae* (Arnell) Hedenäs = *Warnstorfia tundrae*
Saviczia obtusissima (Broth.) Abramova & I.I.Abramov = *Plagiothecium obtusissimum*
Schistidium alpicola auct. non (Hedw.) Limpr. = *Schistidium platyphyllum*
— *alpicola* var. *latifolia* (J.E.Zetterst.) Limpr. = *Schistidium platyphyllum*
— *alpicola* var. *rivulare* (Brid.) Limpr. = *Schistidium rivulare*
— *anodon* (Bruch et al.) Loeske = *Grimmia anodon*
— *apocarpum* f. *submuticum* Broth., nom. nud. = *Schistidium submuticum*
— *apocarpum* subsp. *papillosum* (Culm.) Poelt = *Schistidium papillosum*
— *apocarpum* subsp. *singarense* (Schiffn.) Podp. =*Schistidium helveticum*
— *apocarpum* var. *abrupticostatum* Bryhn = *Schistidium platyphyllum* subsp. *abrupticostatum*
— *apocarpum* var. *boreale* (Poelt) Düll = *Schistidium boreale*
— *apocarpum* var. *brunnescens* (Limpr.) Loeske = *Schistidium brunnescens*
— *apocarpum* var. *confertum* (Funck) H.Möller = *Schistidium confertum*
— *apocarpum* var. *didymontoides* Loeske & L.I.Savicz = *Schistidium platyphyllum* subsp. *abrupticostatum*
— *apocarpum* var. *gracile* (Röhl.) Bruch et al. = *Schistidium spp.*
— *gracile* (Röhl.) Limpr. = *Schistidium spp.*
— *pulvinatum* var. *flaccidum* (De Not.) De Not. = *Schistidium flaccidum*
— *rivulare* var. *latifolium* (J.E.Zetterst.) H.A.Crum & L.E.Anderson = *Schistidium platyphyllum*
— *rivulare* subsp. *latifolium* (J.E.Zetterst.) B.Bremer = *Schistidium platyphyllum*
— *singarense* (Schiffn.) Laz. = *Schistidium helveticum*
— *strictum* auct. non (Turner) Loeske ex Mårtensson = *Schistidium spp.*
Scleropodiopsis laxiretis Ignatov = *Rhynchostegium arcticum*
Scleropodium apiculigerum (Lindb. & Arnell) J.-P.Frahm = *Sciuro-hypnum ornellanum*
— *ornellanum* (Molendo) Lorentz = *Sciuro-hypnum ornellanum*
— *purum* (Hedw.) Limpr. = *Pseudoscleropodium purum*
Scorpidium turgescens (T.Jensen) Loeske = *Pseudocalliergon turgescens*
Scouleria pulcherrima Broth. = *Scouleria aquatica* var. *pulcherrima*
— *rschewinii* Lindb. & Arnell = *Scouleria aquatica*
Seligeria alpestris T.Schauer =*Seligeria patula*
— *patula* var. *alpestris* (T.Schauer) Gos & Ochyra = *Seligeria patula*
— *pusilla* var. *brevifolia* Lindb. = *S. brevifolia*
— *tristicha* (Brid.) Bruch et al. = *Seligeria trifaria*
— *tristichoides* var. *patula* (Lindb.) Broth.= *Seligeria patula*
Semibarbula trachyphylla (Broth.) Laz. ex Mamatkulov = *Tortula trachyphylla*
Sharpiella seligeri (Brid.) Z.Iwats. = *Herzogiella seligeri*
— *turfacea* (Lindb.) Z.Iwats. = *Herzogiella turfacea*
Sphagnum acutifolium Schrad. = *Sphagnum capillifolium*
— *affine* var. *flagellare* (Schlieph. ex Röll) L.Söderstr. & Hedenäs = *Sphagnum affine*
— *amblyphyllum* (Russow) Warnst. = *Sphagnum flexuosum*
— *apiculatum* H.Lindb. = *Sphagnum fallax*
— *auriculatum* var. *inundatum* (Russow) M.O.Hill = *Sphagnum inundatum*
— *capillaceum* (Weiss) Schrank = *Sphagnum capillifolium*
— *capillifolium* var. *tenellum* (Schimp.) H.A.Crum = *Sphagnum rubellum*

— *cuspidatum* var. *majus* Russow = *Sphagnum majus*
— *cymbifolium* (Ehrh.) Hedw. = *Sphagnum palustre*
— *denticulatum* Brid. = *Sphagnum auriculatum*
— *denticulatum* var. *inundatum* (Russow) Kartt. = *Sphagnum inundatum*
— *dusenii* (C.E.O.Jensen) Russow & Warnst. = *Sphagnum majus*
— *imbricatum* var. *arcticum* Flatberg = *Sphagnum steerei*
— *imbricatum* subsp. *affine* (Renauld & Cardot) Flatberg = *Sphagnum affine*
— *imbricatum* subsp. *austinii* (Sull.) Flatberg = *Sphagnum austinii*
— *lescurii* auct. non Sull. = *Sphagnum auriculatum*
— *lescurii* var. *inundatum* (Russow) Düll = *Sphagnum inundatum*
— *medium* Limpr. = *Sphagnum magellanicum*
— *molluscum* Bruch = *Sphagnum tenellum*
— *mucronatum* (Russow) Zick. = *Sphagnum fallax*
— *nemoreum* Scop. = *Sphagnum capillifolium*
— *obtusum* var. *dusenii* C.E.O.Jensen = *S. majus*
— *parvifolium* (Sendtn. ex Warnst.) Warnst. = *Sphagnum angustifolium*
— *plumulosum* Röll. = *Sphagnum subnitens*
— *recurvum* subsp. *balticum* Russow = *Sphagnum balticum*
— *recurvum* var. *amblyphyllum* (Russow) Warnst. = *Sphagnum flexuosum*
— *recurvum* var. *angustifolium* C.E.O.Jensen ex Russow = *Sphagnum angustifolium*
— *recurvum* var. *mucronatum* (Russow) Warnst. = *Sphagnum fallax*
— *recurvum* var. *parvifolium* Sendtn. ex Warnst. = *Sphagnum angustifolium*
— *recurvum* var. *tenue* H.Klinggr. = *Sphagnum angustifolium*
— *rigidum* (Nees & Hornsch.) Schimp. = *Sphagnum compactum*
— *robustum* (Warnst.) Röll = *Sphagnum russowii*
— *rufescens* (Nees & Hornsch.) Warnst. = *Sphagnum auriculatum*
— *subbicolor* auct. non Hampe = *Sphagnum centrale*
— *subsecundum* var. *auriculatum* (Schimp.) Schlieph. = *Sphagnum auriculatum*
— *subsecundum* var. *contortum* (Schultz) Huebener = *Sphagnum contortum*
— *subsecundum* subsp. *inundatum* (Russow) Meyl. = *Sphagnum inundatum*
— *subsecundum* var. *inundatum* (Russow) C.E.O.Jensen = *Sphagnum inundatum*
— *subsecundum* var. *rufescens* (Nees & Hornsch.) Huebener = *Sphagnum auriculatum*
— *subtile* (Russow) Warnst. = *Sphagnum capillifolium*
— *warnstorfianum* Du Rietz = *Sphagnum warnstorfii*
— *zickendrathii* Warnst. = *Sphagnum obtusum*

Splachnum luteum var. *melanocaulon* Wahlenb. = *Splachnum melanocaulon*
— *mnioides* Hedw. = *Tetraplodon mnioides*
— *ovatum* Hedw. = *Splachnum sphaericum*

Sporledera palustris (Bruch & Schimp.) Hampe = *Cleistocarpidium palustre*

Stegonia latifolia var. *pilifera* (Brid.) Broth. = *Stegonia pilifera*

Stellariomnium spp. = *Mnium spp.*

Stereodon arcuatus Lindb. = *Calliergonella lindbergii*
— *cupressiformis* (Hedw.) Brid. ex Mitt. = *Hypnum cupressiforme*
— *cupressiformis* var. *vaucheri* (Lesq.) Lindb. & Arnell = *Stereodon vaucheri*
— *fastigiatus* (Brid.) Braithw. = *Drepanium recurvatum*
— *recurvatus* Lindb. & Arnell = *Drepanium recurvatum*

Streblotrichum convolutum (Hedw.) P. Beauv. = *Barbula convoluta*
— *croceum* (Brid.) Loeske = *Barbula crocea*
— *enderesii* (Garov.) Loeske = *Barbula enderesii*
— *flavipes* (Bruch et al.) J.J.Amann = *Barbula enderesii*

Streptocolea atrata (Miel. ex Hornsch.) Ochyra & Zarnowiec = *Grimmia atrata*

Stroemia gymnostoma (Brid.) I.Hagen = *Orthotrichum gymnostomum*
— *obtusifolia* (Brid.) I.Hagen = *Orthotrichum obtusifolium*

Struckia argentata subsp. *zerovii* (Laz.) Tan et al. = *Struckia enervis*
— *zerovii* (Laz.) Hedenäs = *Struckia enervis*

Syntrichia alpina (Bruch et al.) Jur. = *Syntrichia sinensis*
— *Syntrichia densa* (Velen.) J.-P.Frahm = *Syntrichia calcicola*
— *desertorum* (Broth.) J.J.Amann = *Syntrichia caninervis*
— *ferganensis* (Laz.) Laz. = *Syntrichia handelii* var. *ferganensis*
— *inermis* (Brid.) Bruch = *Tortula inermis*
— *intermedia* Brid. = *Syntrichia montana*
— *montana* subsp. *handelii* (Schiffn.) Podp. = *Syntrichia handelii*
— *mucronifolia* (Schwägr.) Brid. = *Tortula mucronifolia*
— *pagorum* (Milde) J.J.Amann = *Syntrichia laevipila*
— *pulvinata* (Jur.) Jur. = *Syntrichia virescens*
— *ruraliformis* (Besch.) Cardot = *Syntrichia ruralis* var. *ruraliformis*
— *ruralis* var. *arenicola* J.J.Amann, nom. illeg.= *Syntrichia ruralis* var. *ruraliformis*
— *ruralis* var. *hirsuta* (Venturi) Podp. = *Syntrichia papillosissima*
— *subulata* (Hedw.) F.Weber & D.Mohr = *Tortula subulata*

Tayloria serrata var. *tenuis* (Dicks.) Bruch et al. = *Tayloria tenuis*
— *splachnoides* var. *acuminata* (Hornsch.) Huebener = *Tayloria acuminata*

Tetraplodon bryoides Lindb. = *Tetraplodon mnioides*

Tetrodontium brownianum var. *ovatum* (Funck) Wijk & Marg. = *Tetrodontium ovatum*
— *brownianum* var. *repandum* (Funck) Limpr. = *Tetrodontium repandum*

Thamnium spp. = *Thamnobryum* spp.

Thamnobryum sandei (Besch.) Z.Iwats. = *Thamnobryum subseriatum*

Thuidium abietinum (Hedw.) Bruch et al. = *Abietinella abietina*

— *abietinum* var. *hystricosum* (Mitt.) Loeske & Lande = *Abietinella abietina*
— *bipinnatulum* Mitt. = *Pelekium versicolor*
— *delicatulum* var. *radicans* (Kindb.) H.A.Crum, Steere & L.E.Anderson = *Thuidium assimile*
— *erectum* Duby = *Thuidium delicatulum*
— *glaucinum* (Mitt.) Bosch & Sande Lac. = *Thuidium pristocalyx*
— *gracile* Bruch et al. = *Haplocladium microphyllum*
— *hystricosum* Mitt. = *Abietinella abietina*
— *lanatum* (P.Størm ex Brid.) I.Hagen = *Helodium blandowii*
— *minutulum* (Hedw.) Bruch et al. = *Pelekium minutulum*
— *molkenboeri* Sande Lac.= *Bryonoguchia molkenboeri*
— *philibertii* Limpr. = *Thuidium assimile*
— *pygmaeum* Bruch et al. = *Pelekium pygmaeum*
— *vestitissimum* Besch. = *Bryochenea vestitissima*

Timmia austriaca var. *arctica* (Kindb.) Arnell = *Timmia austriaca*
— *cucullata* Michx. = *Timmia megapolitana*
— *elegans* I.Hagen = *Timmia comata*
— *megapolitana* subsp. *bavarica* (Hessl.) Brassard = *Timmia bavarica*
— *megapolitana* var. *bavarica* (Hessl.) Brid. = *Timmia bavarica*
— *norvegica* var. *excurrens* Bryhn = *Timmia comata*

Timmiella corniculata (Wahlenb.) Broth. = ?*Timmiella barbuloides* — {195}

Tortula aestiva (Hedw.) P. Beauv. = *Tortula muralis* var. *aestiva*
— *angustifolia* Lindb. ex Broth. = *Microbryum davallianum*
— *calcicolens* W.A.Kramer = *Syntrichia calcicola*
— *caninervis* (Mitt.) Broth. = *Syntrichia caninervis*
— *densa* (Velen.) J.-P.Frahm = *Syntrichia calcicola*
— *desertorum* Broth. = *Syntrichia caninervis*
— *euryphylla* R.H.Zander = *Tortula hoppeana*
— *handelii* Schiffn. = *Syntrichia handelii*
— *handelii* var. *ferganensis* (Laz.) W.A.Kramer = *Syntrichia handelii* var. *ferganensis*
— *heimii* (Hedw.) Mitt. = *Hennediella heimii*
— *heimii* var. *longiseta* Lindb. & Arnell = *Hennediella heimii*
— *hirsuta* (Venturi) Laz. = *Syntrichia papillosissima*
— *intermedia* (Brid.) De Not. = *Syntrichia montana*
— *intermedia* subsp. *handelii* (Schiffn.) Wijk & Margad. = *Syntrichia handelii*
— *laevipila* (Brid.) Schwägr. = *Syntrichia laevipil*a
— *laevipila* var. *propagulifera* Lindb. = *Syntrichia laevipil*a
— *lamellata* Lindb. = *Pterygoneurum lamellatum*
— *latifolia* Bruch ex Hartm. = *Syntrichia latifolia*
— *montana* Mitt. = *Syntrichia montana*
— *norvegica* (F.Weber) Lindb. = *Syntrichia norvegica*
— *pagorum* (Milde) De Not. = *Syntrichia laevipila*
— *papillosa* Wilson = *Syntrichia papillosa*
— *papillosissima* (Copp.) Broth. = *Syntrichia papillosissima*
— *princeps* De Not. = *Syntrichia princeps*
— *pseudohandelii* J.Fröhl. = *Syntrichia pseudohandelii*
— *pulvinata* (Jur.) Limpr. = *Syntrichia virescens*
— *revolvens* (Schimp.) G.Roth = *Tortula fiorii*
— *ruraliformis* (Besch.) Ingham = *Syntrichia ruralis* var. *ruraliformis*
— *ruraliformis* var. *subpapillosissima* (Bizot & R.B.Pierrot) W.A.Kramer = *Syntrichia ruralis* var. *subpapillosissima*
— *ruralis* (Hedw.) P.Gaertn., B.Mey. & Scherb. = *Syntrichia ruralis*
— *ruralis* subsp. *hirsuta* (Venturi) W.A.Kramer = *Syntrichia papillosissima*
— *ruralis* var. *alpina* Wahlenb. = *Syntrichia norvegica*
— *ruralis* var. *arenicola* Braithw. = *Syntrichia ruralis* var. *ruraliformis*
— *ruralis* var. *calcicola* (J.J.Amann) Barkman = *Syntrichia calcicola*
— *ruralis* var. *crinita* De Not. = *Syntrichia montana*
— *ruralis* var. *densa* Velen. = *Syntrichia calcicola*
— *ruralis* var. *hirsuta* (Venturi) Paris = *Syntrichia papillosissima*
— *ruralis* var. *ruraliformis* (Besch.) De Wild. = *Syntrichia ruralis* var. *ruraliformis*
— *ruralis* var. *virescens* De Not. = *Syntrichia virescens*
— *sinensis* (Müll.Hal.) Broth. = *Syntrichia sinensis*
— *subulata* var. *laevifolia* Lindb. = *Tortula mucronifolia*
— *velenovskyi* Schiffn. = *Hilpertia velenovskyi*
— *virescens* (De Not.) De Not. = *Syntrichia virescens*

Trichodon cylindricus (Hedw.) Schimp. = *Ditrichum cylindricum*

Trichostomopsis aaronis (Lorentz) S.Agnew & C.C.Towns. = *Didymodon australasiae*
— *australasiae* (Hook. & Grev.) H.Rob. = *Didymodon australasiae*

Trichostomum brevifolium Sendtn. ex Müll.Hal. = *Trichostomum crispulum*
— *crispulum* var. *viridulum* (Bruch) Dixon = *Trichostomum viridulum*
— *cylindricum* (Bruch ex Brid.) Müll.Hal. = *Oxystegus tenuirostris*
— *tenuirostre* (Hook. & Taylor) Lindb. = *Oxystegus tenuirostris*

Ulota americana (P.Beauv.) Limpr. = *Ulota hutchinsiae*
— *crispula* Bruch = *Ulota crispa*

Usmania campylopoda Laz. = *Campylostelium pitardii*

Warnstorfia fluitans var. *falcata* (Sanio ex C.E.O.Jensen) H.A.Crum & L.E.Anderson = *Warnstorfia fliutans*
— *h-schulzei* (Limpr.) Loeske = *Warnstorfia fluitans*
— *kurilensis* (Smirnova) Schljakov = *Warnstorfia fluitans*

Weissia controversa var. *crispata* (Nees & Hornsch) Nyholm = *Weissia fallax*
— *controversa* var. *wimmeriana* (Sendtn.) Blockeel & A.J.E.Sm. = *Weissia wimmeriana*
— *microstoma* (Hedw.) Müll.Hal. = *Weissia brachycarpa*
— *platyphylla* Broth. = *Weissia planifolia*
— *triumphans* (De Not.) M.O.Hill = *Trichostomum triumphans*
— *tortilis* (Schwägr.) Müll.Hal. = *Weissia condensa*
— *Zygodon baumgartneri* Malta = *Zygodon rupestris*
— *viridissimus* var. *dentatus* Limpr. = *Zygodon dentatus*
— *viridissimus* var. *rupestris* Hartm. = *Zygodon rupestris*

LITERATURE CITED

1. [ABOLINA, A.] АБОЛИНЬ А.А. 1965. Листостебельные мхи Латвийской ССР. – [Mosses of Latvian SSR] *Riga, 331 pp.*

2. ABOLINA, A. 1975. Vismazaka sūna Latvija. – [The smallest moss in Latvia] *Padomju Jaunatne* **39**.

3. ABOLINA, A. 2001. Latvijas sūnu saraksts. – [List of bryophytes of Latvia] *Latvijas Vegetâcija* **3**: *47-87.*

4. ABOLINA, A., unpublished data.

5. ABOLINA, A. & I. RERIHA 2005. West-Latvian bryophytes – the peculiarities of separate species distribution and novelties. – *В кн.: «Актуальные проблемы бриологии», Тр. междунар. сов. посв. 90-летию со дня рожд. А.Л. Абрамовой. СПб, 22-25 ноября 2005. [In: Proc. Int. Conf. "Actual Problems of Bryology" devoted to 90th Anniversary of A.L. Abramova. St. Petersburg, 22-25 November 2005]*: *9-13.*

6. [ABRAMOV, I.I. & K.Yu. ABACHEV] АБРАМОВ И.И., К.Ю. АБАЧЕВ 1968. О мхах Дагестана. – [On the bryophytes of Dagestan] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* '**1968**': *311-322.*

7. [ABRAMOV, I.I., A.L. ABRAMOVA & I.V. CZERNYADJEVA] АБРАМОВ И.И., А.Л. АБРАМОВА, И.В. ЧЕРНЯДЬЕВА 1990. Tortula velenovskyi Schiffn. – новый вид с плато Путорана (Среднесибирское плоскогорье). – [Tortula velenovskyi Schiffn. – a new species from the Putorana Plateau (Central-Siberian Highland)] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **27**: *118-124.*

8. [ABRAMOV, I.I., A.L. ABRAMOVA & I.V. SIROTINA] АБРАМОВ И.И., А.Л. АБРАМОВА, И.В. СИРОТИНА 1986. Новые и интересные виды мхов из Туркмении. – [New and interesting mosses from the Turkmenistan] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **23**: *197-204.*

9. [ABRAMOV, I.I., A.L. ABRAMOVA & I.V. SIROTINA] АБРАМОВ И.И., А.Л. АБРАМОВА, И.В. СИРОТИНА 1987. Крымско-кавказские связи флоры мхов Туркмении. – [The Crimea-Caucasian relationships of the moss flora of the Turkmenistan] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **24**: *179-184.*

10. [ABRAMOV, I.I., A.L. ABRAMOVA & I.V. SIROTINA] АБРАМОВ И.И., А.Л. АБРАМОВА, И.В. СИРОТИНА 1989. О видах рода Entosthodon Schwaegr. (сем. Funariaceae) из Средней Азии. – [On the species of the genus Entosthodon Schwaegr. (family Funariaceae) from the Middle Asia] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **26**: *124-132.*

11. [ABRAMOV, I.I., A.L. ABRAMOVA & I.V. SIROTINA] АБРАМОВ И.И., А.Л. АБРАМОВА, И.В. СИРОТИНА 1989. К бриофлоре Туркмении. 2. – [On the bryoflora of the Turkmenistan. 2] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **26**: *133-136.*

11a. [ABRAMOV, I. I. & L. A. VOLKOVA] АБРАМОВ, И.И., Л.А. ВОЛКОВА 1998. Определитель листостебельных мхов Карелии. — [Handbook of mosses of Karelia] *Arctoa* **7**, suppl. 1: *390 pp.*

12. [ABRAMOVA, A.L.] АБРАМОВА А.Л. 1956. *Indusiella thianschanica* Broth. et C. Müll. (анатомо-морфологический очерк). – [*Indusiella thianschanica* Broth. et C. Müll., morphological overview] *Бот. матер. Отд. спор. раст. Бот. ин-та АН СССР [Bot. Mat. Otd. Spor. Rast. Bot. Inst. Akad. Nauk SSSR]* **11**: *186-191.*

13. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1950. Несколько видов мхов новых для Кавказа. – [Some moss species new to Caucasus] *Бот. матер. Отд. спор. раст. Бот. ин-та АН СССР [Bot. Mat. Otd. Spor. Rast. Bot. Inst. Akad. Nauk SSSR*] **6**(7-12): *216-218.*

14. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1952. О некоторых редких видах мхов на Кавказе. – [On some rare species of mosses in the Caucasus] *Бот. матер. Отд. спор. раст. Бот. ин-та АН СССР [Bot. Mat. Otd. Spor. Rast. Bot. Inst. Akad. Nauk SSSR*] **8**: *196-201.*

15. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1953. О новых и интересных видах мхов и печеночников с Кавказа. – [New and interesting species of mosses and hepatics in the Caucasus] *Бот. матер. Отд. спор. раст. Бот. ин-та АН СССР [Bot. Mat. Otd. Spor. Rast. Bot. Inst. Akad. Nauk SSSR]* **9**: *183-187.*

16. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1956. Hydrogonium Ehrenbergii (Lor.) Jaeg. из Средней Азии. – [Hydrogonium Ehrenbergii (Lor.) Jaeg. in the Middle Asia] *Бот. матер. Отд. спор. раст. Бот. ин-та АН СССР [Bot. Mat. Otd. Spor. Rast. Bot. Inst. Akad. Nauk SSSR]* **11**: *191-200.*

17. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1960. Новый род и новые виды мхов для СССР: Bryobrittonia Williams – B. pellucida Williams и Hypnum subimponens Lesq. – [A new genus and new species of mosses for the USSR: Bryobrittonia Williams – B. pellucida Williams and Hypnum subimponens Lesq.] *Бот. матер. Отд. спор. раст. Бот. ин-та АН СССР [Bot. Mat. Otd. Spor. Rast. Bot. Inst. Akad. Nauk SSSR]* **13**: *294-305.*

18. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1962. О некоторых видах Кавказской бриофлоры. – [On some species of the Caucasian bryoflora] *Бот. матер. Отд. спор. раст. Бот. ин-та АН СССР [Bot. Mat. Otd. Spor. Rast. Bot. Inst. Akad. Nauk SSSR]* **15**: *166-170.*

19. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1964. Мхи ущелья Кондара (Таджикская ССР). – [Mosses of Kondara Canyon (Tadjikskaya SSR)] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* '**1964**': *340-341.*

20. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1966a. Редкие виды мхов Сибири и Дальнего Востока. – [Rare bryophytes of the Siberia and the Far East] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* '**1966**': *302-315.*

21. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1966b. О мхах Молдавской ССР.

– [On the bryophytes of Moldavian SSR] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* '**1966**': *315-326.*

22. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1968. Новые и интересные виды бриофлоры СССР. – [New and interesting species of the bryoflora of the USSR] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* '**1968**': *298-302.*

23. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1969. Мхи. – [Bryophytes] *В кн.: Растительные сообщества и животное население степей и пустынь Центрального Казахстана (ред. Л.В. Арнольди, А. А. Юнатов) Л., Наука [In: Arnoldi, L. V. & A. A. Yunatov (eds.), Rastitelnye soobshchestva i zhivotnoe naselenie stepei i pustyn tsentralnogo Kazakhstana. Leningrad, Nauka]: 291-295.*

24. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1969 [1970]. Новый мох для Дальнего Востока – Archidium alternifolium (Hedw.) Mitt. – [A new moss for the Far East – Archidium alternifolium (Hedw.) Mitt.] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **6**: *262-265.*

25. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1970a. Об ареале Funaria aequidens Lindb. – [On the distribution of Funaria aequidens Lindb.] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **7**: *342-347*.

26. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1970b. Сфагновые мхи в горах Средней Азии. – [Sphagna in the mountains of the Middle Asia] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **7**: *333-342.*

27. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1972. Об изменчивости видов рода Dicranoweisia Lindb. в СССР. – [On the variability of species of the genus Dicranoweisia Lindb. in the USSR] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **9**: *343-349.*

28. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1974. Обзор бриофлоры Кавказа. – [The outline of the bryoflora of the Caucasus] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **11**: *304-311.*

29. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1975. Hypnum plumaeforme Wils. на Кавказе. – [Hypnum plumaeforme Wils. in the Caucasus] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **12**: *283-289.*

30. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1977. К бриофлоре Дальнего Востока. – [On the bryoflora of the Far East] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **14**: *212-219.*

31. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1979. Редкие и интересные виды мхов с Кавказа. – [Rare and interesting species of mosses in the Caucasus] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **16**: *158-160.*

32. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1983. Род Leptopterigynandrum C. Muell., новый для бриофлоры СССР. – [Leptopterigynandrum C.Muell., a new genus for the bryoflora of the USSR] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **20**: *161-168.*

33. [ABRAMOVA, A.L. & I.I. ABRAMOV] АБРАМОВА А.Л., И.И. АБРАМОВ 1985. К систематике рода Brotherella Loeske. – [On the taxonomy of the genus Brotherella Loeske] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **22**: *206-210.*

34. [ABRAMOVA, A.L. & U.K.MAMATKULOV] АБРАМОВА А.Л., У.К. МАМАТКУЛОВ 1968. Интересные мхи из семейства Pottiaceae из Средней Азии. – [Interesting mosses of the family Pottiaceae from the Middle Asia] *Докл. АН Тадж. ССР* [*Dokl. Akad. Nauk Tadj. SSR*] **11**(3): *53-56.*

35. [ABRAMOVA, A.L., L.I. SAVICZ-LJUBITSKAYA & Z.N. SMIRNOVA] АБРАМОВА А.Л., Л.И. САВИЧ-ЛЮБИЦКАЯ, З.Н. СМИРНОВА 1961. Определитель листостебельных мхов Арктики СССР. – [Handbook of mosses of Arctic of the USSR] *Л., Изд-во АН СССР [Leningrad, Izd. Akad. Nauk SSSR], 716 pp.*

36. [ABRAMOVA, A.L. & N.A. STEPANOVA] АБРАМОВА А.Л., Н.А. СТЕПАНОВА 1986. К флоре мхов нижнего течения р. Колымы. – [On the moss flora of the lower course of Kolyma River] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **23**: *208-214.*

37. [ABRAMOVA, L.I., L.V. BARDUNOV, I.A. GUBANOV, M.S. IGNATOV, S.N. KORENYUK, V.S. NOVIKOV, D.A. PETELIN, N.N. STEZURA] АБРАМОВА Л.И., Л.В. БАРДУНОВ, И.А. ГУБАНОВ, М.С. ИГНАТОВ, С.Н. КОРЕНЮК, В.С. НОВИКОВ, Д.А. ПЕТЕЛИН, Н.Н. СТЕЦУРА 1987. Мохообразные и сосудистые растения Зейского заповедника. – [Bryophytes and vascular plants of Zeyskiy Nature Reserve] *Флора и фауна заповедников. Вып. 1. Москва* [*Flora i fauna zapovednikov. 1. Mochoobraznye i sosudistye rasteniya Zeyskogo zapovednika. Moscow*], *70 pp.*

38. [AFONINA, O.M.] АФОНИНА О.М. 2000. Мохообразные. – [Bryophytes] *Флора и фауна заповедников. Вып. 88. Мохообразные и лишайники заповедника «Остров Врангеля». Москва* [*Flora i fauna zapovednikov. 88. Mochoobraznye i lishajniki zapovednika "Ostrov Vrangelya". Moscow*]: *6-46.*

39. [AFONINA, O.M.] АФОНИНА О.М. 2002. Дополнения к флоре мхов архипелага Северная Земля. – [Additions to the moss flora of Severnaya Zemlya Archipelago] *Новости сист. низш. раст. [Novosti Sist. Nizch. Rast.]* ***36****: 203-210.*

40. [AFONINA, O.M.] АФОНИНА О.М. 2004a. Конспект флоры мхов Чукотки. – [Moss flora of Chukotka] *СПб, БИН РАН [Sankt-Petersburg, Bot. Inst. RAS], 260 pp.*

41. [AFONINA, O.M.] АФОНИНА О.М. 2004b. Виды Hypnum секции Hamulosa (Musci, Hypnaceae) в России. – [Hypnum sect. Hamulosa (Musci, Hypnaceae) in Russia] *Arctoa* **13**: *9-28*.

42. [AFONINA, O.M.] АФОНИНА О.М. 2006a. Мохообразные. – [Bryophyta] *В кн.: Красная книга Ненецкого автономного округа (ред. Матвеева Н.В.), Нарьян-Мар [In: Matveeva, N.V. (ed.), Red Data Book of Nenetskij Autonomous District]: 118-125.*

43. AFONINA, O.M. 2006b. New moss records from Chukotskiy Autonomous District. 1. – *Arctoa* **15**: *270*.

44. AFONINA, O.M. 2006c. New moss records from Nenetskij Autonomous District. 1. – *Arctoa* **15**: *251*.

45. [AFONINA, O.M. & H. ANDO] АФОНИНА О.М., Х. АНДО 2000. Hypnum holmenii (Musci, Hypnaceae) в бриофлоре России. – [Hypnum holmenii (Musci, Hypnaceae) in moss flora of Russia] *Бот. Журн.* [*Bot. Zhurn.*] **85**(3): *40-46*

46. AFONINA, O.M. & L.S. BLAGODATSKIKH 2006. New moss records from Magadan Province. 1. – *Arctoa* **15**: *268*.

47. AFONINA, O.M. & I.V. CZERNYADJEVA 1995. Mosses of the Russian Arctic: check-list and bibliography. – *Arctoa* **5**: *99-142*.

48. [AFONINA, O.M., E.A. IGNATOVA & A.I. MAKSIMOV] АФОНИНА О.М., Е.А. ИГНАТОВА, А.И. МАКСИМОВ 2006. Stereodon fertilis (Pylaisiaceae, Musci) в России. – *Бот. журн.* [*Bot. Zhurn.*] **91** (3): *329-335*.

49. [AFONINA, O.M., T.M. KOROLEVA] АФОНИНА О.М., Т.М. КОРОЛЕВА 2006. Мхи острова Четырехстолбового (архипелаг Медвежьи Острова, Восточно-Сибирское море). – [Mosses of the Chetyryokhstolbovoy Island (Medvezhy Islands Archipelago, the East-Siberian Sea] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **40**.

50. [AFONINA, O.M., N.V. MATVEYEVA] АФОНИНА О.М., Н.В. МАТВЕЕВА 2004 Мхи острова Большевик (архипелаг Северная Земля). – [Mosses of the Bolshevik Island (Severnaya Zemlya archipelago)] *Бот. журн. [Bot. Zhurn.]* **88**(9): *1-24*.

51. [AFONINA, O.M. & R. OCHYRA] АФОНИНА О.М., Р. ОХЫРА 1994. Schistidium cryptocarpum (Musci, Grimmiaceae) – новый вид для Евразии. – [Schistidium cryptocarpum (Musci, Grimmiaceae) – a species new to Eurasia] *Бот. Журн. [Bot. Zhurn.]* **79**(10)*: 128-133.*

52. [AFONINA, O.M., V.I. ZOLOTOV & A.A.NOTOV] АФОНИНА О.М., В.И. ЗОЛОТОВ, А.А. НОТОВ 2006. К флоре мхов Оренбургского государственного природного заповедника. – [On the moss flora of Orenburgskiy State Nature Reserve] *Степи Северной Евразии. Материалы IV международного симпозиума. Оренбург, ИПК «Газпромпечать» ООО «Оренбурггазпромсервис» [Stepi Severnoy Evrazii. Materialy IV mezhdunarodnogo simpoziuma. Orenburg, IPK "Gazprompechat'" OOO "Orenburggazpromservis"]: 71-75.*

53. AHTI, T. & M. BOYCHUK 2006. The botanical journeys of A. K. Cajander and J. I. Lindroth to Karelia and Onega River in 1898 and 1899, with a list of their bryophyte and lichen collections. – *Norrlinia **14**: 1-65.*

54. [AKATOV, V.V. & T.V. AKATOVA] АКАТОВ В.В., Т.В. АКАТОВА 2006. Высокогорный озерно-болотный комплекс реки Дзитаку (Западный Кавказ). – [High mountain mire-lake complex of Dzitaku River (West Caucasus)] *В кн.: Водно-болотные угодья России. Т. 6. Водно-болотные угодья Северного Кавказа (ред. А.Л.Мищенко), М., Wetlands International [In: A.L. Mishchenko (ed.), Vodno-bolotnye ugodiya Rossii. T. 6. Vodno-bolotnye ugodiya Seevrnogo Kavkaza. Moscow, Wetlands International]: 126-129.*

55. [AKATOVA, T.V.] АКАТОВА Т.В. 2002. Листостебельные мхи Кавказского заповедника (Западный Кавказ, Россия). – [Moss flora of the Caucasian Nature Reserve (Western Caucasus, Russia)] *Arctoa* **11**: *179-204*.

56. AKATOVA, T.V. & E.A. IGNATOVA 2000. Pogonatum neesii (Polytrichaceae, Musci) in the Russian Caucasus. – *Arctoa* **9**: *127-128.*

57. AKATOVA, T.V., Z.Kh. KHARZINOV, E.A. IGNATOVA & M.S. IGNATOV 2004. On three rare species of Orthotrichum (Orthotrichaceae, Musci) in Caucasus. – *Arctoa* **13**: *41-49.*

58. [ALEKSENKO, M.A.] АЛЕКСЕНКО М.А. 1899. Бриологическая флора Литовского Полесья. – [Bryophyte flora of Litovskoye Polessie] *Тр. О-ва испыт. природы при Харьк. ун-те [Trudy Obshch. Ispyt. Prirody pri Kharkovsk. Univ.]* **34**: *91-136.*

59. ALLEN, B. 1999. Data on species of Kazakhstan, Tadjikistan, Uzbekistan, Kyrgyzstan, Turkmenistan presented in MO database: http://mobot.mobot.org/cgi-bin/search_vast

60. ANDERSON, L. E., H.A. CRUM & W.R. BUCK 1990. List of mosses of North America north of Mexico. – *Bryologist* **93**: *448-499.*

61. [ANDREEVA, E.N.] АНДРЕЕВА Е.Н. 2000. Новые виды водных листостебельных мхов Ленинградской области. – [New records of aquatic mosses for Leningrad Province] *В кн.: Сохранение биологического разнообразия Фенноскандии. Международная конференция, Петрозаводск, 30 марта – 2 апреля, 2000 г. Петрозаводск* [*In: Conservation of biological diversity in Fennoscandia. Abstr. conf., Petrozavodsk, March 30 – April 2, 2000, Petrozavodsk*]*: 11.*

62. [ANDREEVA, E.N.] АНДРЕЕВА Е.Н. 2005. Мохообразные. – [Bryophytes] *В кн.:* Юнтоловский региональный *комплексный заказник (ред. Волкова Е.А. и др.). СПб [In: Volkova, E.A. et al., Yuntolovsky complex nature reserved area]: 123-132.*

63. [ANDREEVA, E.N. & L.E. KURBATOVA] АНДРЕЕВА Е.Н., Л.Е. КУРБАТОВА 2006. Мохообразные. – [Bryophytes] *В кн.: «Дудергофские высоты» – комплексный памятник природы (ред. Волкова Е.А. и др.). СПб [In: Volkova, E.A. et al., "Dudergoff heights" – complex nature protected area]: 68-85.*

64. ARIKAVA, T. 2004. A taxonomic study of the genus Pylaisia (Hypnaceae, Musci). – *J. Hattori Bot. Lab*. **95**: *71-154*.

65. ARNELL, H.W. 1898. Musci novi. – *Rev. Bryol*. **25** (1): *1-9*.

66. [BACHURINA, G.F. & V.M. MEL'NICHUK] БАЧУРИНА Г.Ф., В.М. МЕЛЬНИЧУК 1987-1989. Флора мохів Української РСР. Андреєві, брієві. Вип. 1-3. – [Moss flora of Ukrainian SSR. Andreaeopsida, Bryopsida. Pts. 1-3] Київ, Наукова Думка [Kyiv, Naukova Dumka]: 1 (1987), 180 pp.; 2 (1988), 180 pp.; 3 (1989) 175 pp.

the fourth part of this book: [BACHURINA, G.F. & V.M. MEL'NICHUK] БАЧУРИНА Г.Ф., В.М. МЕЛЬНИЧУК 2003. Флора мохів України. Андреєві, брієві. Вип. 4. – [Moss flora of Ukraine. Andreaeopsida, Bryopsida. Pt.

4] *Київ, Національна Академія Наук Украіни [Kyiv, Natsional'na Akademiya Nauk Ukraini], 256 pp.*

67. BAKALIN, V.A. & V.Ya. CHERDANTSEVA 2006. Bryophytes of northern Kuril Islands (North-West Pacific). – *Arctoa* **15**: *131-153*.

68. [BARDUNOV, L.V.] БАРДУНОВ Л.В. 1960. Мхи гольцов Баргузинского хребта. – [Mosses of alpine belt of Barguzin Range] *Тр. Баргузин. гос. зап-ка (Улан-Удэ), Вып. 2 [Tr. Barguzin. Gos. Zap. (Ulan-Ude), part 2]: 135-145*.

69. [BARDUNOV, L.V.] БАРДУНОВ Л.В. 1969. Определитель листостебельных мхов Центральной Сибири. – [Handbook of mosses of the Central Siberia] *Л., Наука [Leningrad, Nauka], 329 pp.*

70. [BARDUNOV, L.V.] БАРДУНОВ Л.В. 1974. Листостебельные мхи Алтая и Саян. – [Mosses of the Altai and Sayan Mts.] *Новосибирск, Наука [Novosibirsk, Nauka], 168 pp.*

71. [BARDUNOV, L.V.] БАРДУНОВ Л.В. 1990a. Мохообразные. – [Mosses] *В кн.: Уникальные объекты живой природы бассейна Байкала (ред. Попов Л. В.), Новосибирск, Наука [In: Popov, L. V. (ed.), Unikalnye ob'ekty zhivoj prirody basseina Baikala. Novosibirsk, Nauka]: 49-50.*

72. [BARDUNOV, L.V.] БАРДУНОВ Л.В. 1990b. Восточноазиатские виды во флоре мхов Южной Сибири. – [East-Asian species in moss flora of South Siberia] *Бот. Журн. [Bot. Zhurn.]* **75**(5): *636-643.*

73. [BARDUNOV, L.V.] БАРДУНОВ Л.В. 1992. Очерк бриофлоры Сибири. – [An overview of bryoflora of Siberia] *Новосибирск, Наука [Novosibirsk, Nauka], 96 pp.*

74. [BARDUNOV, L.V.] БАРДУНОВ Л.В. 2000. Материалы по флоре листостебельных мхов Витимского государственного заповедника. – [Materials on flora of mosses of Vitimsky State Reserve] *Иркутск [Irkutsk], 35 pp*.

75. [BARDUNOV, L.V. & V.Ya. CHERDANTSEVA] БАРДУНОВ Л.В., В.Я. ЧЕРДАНЦЕВА 1978. Мохообразные. – [Bryophytes] *В кн.:Флора и растительность Уссурийского заповедника. М., "Наука" [In: Flora i rastitel'nost' Ussurijskogo zapovednika. Moscow, "Nauka"]: 127-148.*

76. [BARDUNOV, L.V. & V.Ya. CHERDANTSEVA] БАРДУНОВ Л.В., В.Я. ЧЕРДАНЦЕВА 1982. Листостебельные мхи Южного Приморья. – [Mosses of the South of Primorskij Province] *Новосибирск, Наука [Novosibirsk, Nauka], 208 pp.*

77. [BARDUNOV, L.V. & V.Ya. CHERDANTSEVA] БАРДУНОВ Л.В., В.Я. ЧЕРДАНЦЕВА 1984. Материалы по флоре листостебельных мхов Южных Курильских островов. – [Contributions to the moss flora of the southern Kuril Islands] *В кн.: Систематико-флористические исследования флоры споровых растений Дальнего Востока (ред. Черданцева В.Я.). Владивосток, ДВНЦ АН СССР [In: Cherdantseva V.Ya. (ed.), Sistematiko-floristicheskie issledovaniya flory sporovykh rastenij Dal'nego Vostoka. Vladivostok, Dal'nevost. Nauchn. Tsentr Akad. Nauk SSSR]: 34-53.*

78. [BARDUNOV, L.V. & V.Ya. CHERDANTSEVA] БАРДУНОВ Л.В., В.Я. ЧЕРДАНЦЕВА 2006. Мохообразные. – [Bryophytes] *В кн.: Флора, растительность и микобиота заповедника «Уссурийский» (ред. Васильева Лар.Н.). Владивосток, Дальнаука [In: Vasilieva, Lar. N. (ed.), Flora, rastitel'nost' i micobiota of the reserve "Ussurijsky". Vladivostok, Dal'nauka]: 51-78.*

79. [BARDUNOV, L.V., S.K. GAMBARYAN & V.YA. CHERDANTSEVA] БАРДУНОВ Л.В., С.К. ГАМБАРЯН, В.Я. ЧЕРДАНЦЕВА 2002. Мохообразные. – [Bryophytes] *В кн.: Флора, микобиота и растительность Лазовского заповедника (ред. Егорова Л.Н.), Владивосток, Изд-во Русский Остров [In: Egorova, L.N. (ed.), Flora, mycobiota i rastitel'nost' Lazovskogo zapovednika. Vladivostok, «Pusskij Ostrov»]: 49-67.*

80. BEDNAREK-OCHYRA, H. 1993. The taxonomic status of Racomitrium canescens fo. acicularioides (Musci, Grimmiaceae). – *Fragm. Florist. et Geobot.* **38 (**2):*741-743*.

81. BEDNAREK-OCHYRA, H. 2006. A taxonomic monograph of the moss genus Codriophorus P. Beauv. (Grimmiaceae). – *Krakow, W.Szafer Inst. of Botany, Polish Acad. Sci., 276 pp.*

82. BELKINA, O.A.] БЕЛКИНА О.А. 2001. Находка Tetrodontium repandum (Funck) Schwaegr. (Musci) в России. – [New record of Tetrodontium repandum (Funck) Schwaegr. (Musci) in Russia] *Arctoa* **10**: *71-74.*

83. [BELKINA, O.A.] БЕЛКИНА О.А. 2003. Андреа Блютта. – [Andreaea blyttii Schimp.] *В кн.: Красная Книга Мурманской области (ред. Н.А.Константинова и др.). Мурманск, Мурманское книжное издательство [In: Konstantinova, N.A. & al., (eds.), Red Data book of the Murmansk Province. Murmansk, Murmanskoe Knizhnoe Izdatelstvo]: 133-134.*

84. [BELKINA, O.A, N.A. KONSTANTINOVA & V.A. KOSTINA] БЕЛКИНА О.А., Н.А. КОНСТАНТИНОВА, В.А. КОСТИНА 1991. Флора высших растений Ловозерских гор. – [The flora of higher plants of Lovozerskiye Mountains] *СПб., Наука. [St.-Petersburg, Nauka], 206 pp.*

85. [BELKINA, O.A. & A.Yu. LIKHACHEV] БЕЛКИНА О.А., А.Ю. ЛИХАЧЕВ 1999. Некоторые особенности флоры листостебельных мхов Кандалакшского заповедника (Белое море). – [Some peculiarities of the moss flora of Kandalaksha State Reserve (White Sea, North-West Russia)] *Бот. Журн.* [*Bot. Zhurn.*] **84**(11): *36-49*.

86. [BELKINA, O.A. & A.YU. LIKHACHEV] БЕЛКИНА О.А., А.Ю. ЛИХАЧЕВ 2004. Флора листостебельных мхов горных массивов Чильтальд и Ионн-Ньюгоайв (Мурманская область). – [Moss flora of mountains Chiltald and Ionn-Njugoayv (Murmansk Province)] *Arctoa* **13**: *211-222.*

87. [BELKINA, O.A. & A.Yu. LIKHACHEV] БЕЛКИНА О.А., А.Ю. ЛИХАЧЕВ 2005. Флора листостебельных мхов Сальных тундр (Мурманская область). – [Moss flora of the Salnye tundry (Murmansk Province)] *Arctoa* **14**: *177-196.*

88. [BEZGODOV, A.G.] БЕЗГОДОВ А.Г. 2002. К бриофлоре окрестностей Кунгура (Пермская область). – [On the bryoflora of the Kungur City environs (Perm Province)] *Arctoa* **11**: *53-62.*

89. [BEZGODOV, A.G.] БЕЗГОДОВ А.Г. 2000. Мхи города Перми (Средний Урал). – [Mosses of the Perm City (Middle Ural, Russia)] *Arctoa* **9**: *141-150.*

90. [BEZGODOV, A.G., I.L. GOLDBERG, M.V. DULIN, T.P. SHUBINA & I.B. KUCHEROV] БЕЗГОДОВ А.Г., И.Л. ГОЛЬДБЕРГ, М.В. ДУЛИН, Т.П. ШУБИНА, И.Б. КУЧЕРОВ 2003. Дополнения к бриофлоре Печоро-Илычского биосферного заповедника (Северный Урал). – [Additions to the bryoflora of the Pechora-Ilych biosphere reserve (Northern Urals)] *Arctoa* **12**: *169-178.*

91. [BEZGODOV A.G., E.A. IGNATOVA & M.S. IGNATOV] БЕЗГОДОВ А.Г., Е.А. ИГНАТОВА, М.С. ИГНАТОВ 2006. Новые находки мхов в Пермской области. 1. – [New moss records from Perm Province. 1] *Arctoa* **15**: *253-254*.

92. [BLAGODATSKIKH, L.S.] БЛАГОДАТСКИХ Л.С. 1972. К бриофлоре Западного Таймыра. – [On bryoflora of the Western Taimyr] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **9**: *358-364*.

93. [BLAGODATSKIKH, L.S.] БЛАГОДАТСКИХ Л.С. 1973. Новые и редкие виды мхов для Таймырского полуострова. – [New and rare mosses for the Taimyr Peninsula] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **10**: *325-332*.

94. [BLAGODATSKIKH, L.S.] БЛАГОДАТСКИХ Л.С. 1984. Листостебельные мхи Колымского нагорья. – [Mosses of Kolyma Upland] *Магадан, Ин-т Биолю Пробл. Севера [Magadan, Inst. Biol. Problem Severa], 47 pp.*

95. [BLAGODATSKIKH, L.S.] БЛАГОДАТСКИХ Л.С. 1989. Редкие виды листостебельных мхов Колымского нагорья. – [Rare mosses of Kolyma Upland] *В кн.: Проблемы бриологии (ред. И.И.Абрамов). Л., Наука [In: Abramov, I.I. (ed.), Problemy Briologii]: 43-48.*

96. [BLAGODATSKIKH, L.S., A.L.ZHUKOVA & N.V. MATVEYEVA] БЛАГОДАТСКИХ Л.С., А.Л. ЖУКОВА, Н.В. МАТВЕЕВА 1979. К флоре листостебельных и печеночных мхов окрестностей бухты Марии Прончищевой (Северо-Восточный Таймыр). – [On flora of mosses and hepatics of vicinity of Maria Pronchishcheva Bay (North-Eastern Taimyr)] *В кн.: Арктические тундры и полярные пустыни Таймыра. Л.: Наука [In: Arkticheskie tundry i polyarnye pustyni Taimyra. Leningrad, Nauka]: 133-139.*

97. BLOM, H.H. 1996. A revision of the Schistidium apocarpum complex in Norway and Sweden. – *Bryoph. Bibl.* **49**: *1-333*.

98. BLOM, H.H. 1998. Genus Schistidum. – *In.: Nyholm, E. Illustrated flora of Nordic mosses, Fasc. 4. Aulacomniaceae – Meesiaceae – Catoscopiaceae – Bartramiaceae – Timmiaceae – Encalyptaceae – Grimmiaceae – Ptychomitraceae – Hedwigiaceae – Orthotrichaceae. Copenhagen & Lund: Nordic Bryological Society: 287-330.*

99. BLOM, H.H., E.A. IGNATOVA & O.M. AFONINA 2006. New records of *Schistidium* (Grimmiaceae, Musci) in Russia. – *Arctoa* **15**: *187-194*.

100. [BOYCHUK, M.A.] БОЙЧУК М.А. 2001. К флоре листостебельных мхов заповедника Костомукшский и окрестностей города Костомукша (Карелия). – [On moss flora of Kostomukshsky Nature Reserve and Kostomuksha vicinity (Karelia)] *Новости сист. низш. раст. [Novosti Sist. Nizch. Rast.]* **35**: *217-229.*

101. BOYCHUK, M.A. & T. AHTI 2005. Bryological results of the expeditions by A. K. Cajander and J. I. Lindroth to Karelia and Onega River in 1898–1899. – *В кн.: «Актуальные проблемы бриологии», Тр. междунар. сов. посв. 90–летию со дня рожд. А.Л. Абрамовой. СПб, 22-25 ноября 2005. [In: Proc. Int. Conf. "Actual Problems of Bryology" devoted to 90th Anniversary of A.L. Abramova. St. Petersburg, 22-25 November 2005]: 33-37.*

102. BROTHERUS, V.F. 1892. Enumeratio muscorum Caucasi. – *Acta Soc. Sci. Fenn.* **19**(12): *1-170.*

103. BROTHERUS, V.F. 1898. Indusiella, eine neue Laubmoos Gattung aus Central-Asiaen. – *Bot. Centralbl.* **75** (11): *1-2.*

104. [BROTHERUS, V.F.] БРОТЕРУС В.Ф. 1914. Мхи (Andreaeales; Bryales, часть 1-ая). – [Mosses (Andreaeales; Bryales, part 1)] *В кн.: Федченко, Б.А. Флора Азіатской Россіи. Вып. 4. Петроград, Переселенческое управление [In: Fedchenko, B.A. Flora Aziatskoj Rossii, Pt. 4. Petrograd, Pereselencheskoe Upravlenie], 1-78.*

105. [BROTHERUS, V.F.] БРОТЕРУС В.Ф. 1918. Мхи (Bryales, часть 2-ая). – [Mosses (Bryales, part 2)] *В кн.: Федченко, Б.А. Флора Азіатской Россіи. Вып. 13. Петроград, Переселенческое управление [In: Fedchenko, B.A. Flora Aziatskoj Rossii, Pt. 13. Petrograd, Pereselencheskoe Upravlenie], 79-182.*

106. [BROTHERUS, V.F.] БРОТЕРУС В.Ф. 1965. Новые виды мхов из Азиатской части СССР. – [New species of mosses from the Asian Russia] *Новости сист.низш.раст.* [*Novosti Sist. Nizsh. Rast.*] '**1965**': *273-277.*

107. BRUMMITT, R.K. & C.E. POWELL 1992. Authors of plant names. – *Kew, Royal Botanic Gardens.*

108. BURLEY, J.S. & N.M. PRITCHARD 1990. Revision of the genus Ceratodon (Bryophyta). – *Harvard Papers in Botany* **2**: *17-76*.

109. [CHERDANTSEVA, V.Ya.] ЧЕРДАНЦЕВА В.Я. 1976. Конспект флоры листостебельных мхов Южного Сахалина. – [Conspectus of mosses of South Sakhalin] *В кн.: Низшие растения Дальнего Востока (ред. Л.Н.Васильева, М.М.Назарова), ДВО, БПИ [In: Vasilieva, L.N. & M.M.Nazarova (eds.), Nizshie rasteniya Dalnego Vostoka. Dal'nevostochyi Nauchyi Centr, Biologo-Pochvennyi Institut]: 140-177.*

110. [CHERDANTSEVA, V.Ya.] ЧЕРДАНЦЕВА В.Я. 1989. Редкие и интересные виды мхов Дальнего Востока СССР. – [Rare and interesting moss species for the Far East of the USSR] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **26**: *157-159.*

111. [CHERDANTSEVA, V.Ya.] ЧЕРДАНЦЕВА В.Я. 2002 [2003]. Листостебельные мхи Сихотэ-Алинского биосферного заповедника (Дальний Восток, Приморский край). – [Mosses of the Sikhote-Alinsky Biosphere Reserve (Russian Far East, Primorsky Territory)] *Arctoa* **11**: *229-244.*

112. [CHERDANTSEVA, V.Ya.] ЧЕРДАНЦЕВА В.Я. 2006. Листостебельные мхи (Bryopsida) острова Монерон. – [Mosses (Bryopsida) of Moneron Island] *В кн.: Растительный и животный мир острова Монерон (Материалы Международного Сахалинского проекта).*

Владивосток, Дальнаука [In: Rastitelnyj i zhivotnyj mir ostova Moneron (Materialy Mezhdunarodnogo Sakhalinskogo Projekta), Vladivostok, Dal'nauka]: 48-54.

113. [CHERDANTSEVA, V.Ya. & S.K. GAMBARYAN] ЧЕРДАНЦЕВА В.Я., С.К. ГАМБАРЯН 1986. Мохообразные. – [Bryophytes] *В кн.: Флора и растительность Большехехцирского заповедника. Владивосток [In: Flora i rastitelnost' Bolshekhekhzirskogo zapovednika. Vladivostok]: 79-101.*

114. CHERDANTSEVA, V.YA., K.V. GOROBETS, J. HARPEL, M.S. IGNATOV, E.A. IGNATOVA, V.V. TELEGANOVA 2006. New moss records from Sakhalinskaya Province. 1. Sakhalin. – *Arctoa* **15**: *263-268*.

115. CHERDANTSEVA, V.YA., M.S. IGNATOV & E.A. IGNATOVA 2006a. New moss records from Sakhalinskaya Province. 2. Kunashir. – *Arctoa* **15**: *268*.

116. CHERDANTSEVA, V.YA., M.S. IGNATOV & E.A. IGNATOVA 2006b. New moss records from Primorsky Territory. 1. – *Arctoa* **15**: *263*.

117. CHIKOVANI, N., T. SVANIDZE 2004. Checklist of bryophyte species of Georgia. – *Braun-Blanquetia* **34**: *97-116.*

118. [CHURAKOVA, E.N.] ЧУРАКОВА Е.Н. 2002. Листостебельные мхи таёжной зоны Архангельской области. – [Mosses of the taiga zone of the Arkhangelsk Province (northern European Russia)] *Arctoa* **11**: *351-392.*

119. CHURCHILL, S.P. 1987. Systematics and biogeography of Jaffueliobryum (Grimmiaceae)**.** *–Mem. New York Bot. Gard.* **45:** *691-708.*

120. CORLEY, M.F.V. & A.C. CRUNDWELL 1991. Additions and amendments to the mosses of Europe and the Azores. – *J. Bryol.* **16**: *337-356.*

121. CORLEY, M.F.V., A.C. CRUNDWELL, R. DÜLL, M.O. HILL & A.J.E. SMITH 1981. Mosses of Europe and the Azores: an annotated list of species, with synonyms from the recent literature. – *J. Bryol*. **11**: *609-689.*

122. CRUM, H.A. & L.E. ANDERSON 1981. Mosses of Eastern North America (Vol. 1-2). – *New York, Colombia University Press, 1328 pp.*

123. CRUM, H., W.C. STEERE & L.E. ANDERSON 1979. A new list of mosses of North America north of Mexico. – *Bryologist* **76**: *85-130.*

124. CRUNDWELL, A.C., E. NYHOLM 1962**.** A study of *Campylium hispidulum* and related species. – *Trans. Brit. Bryol. Soc.* **4:** *194-200*.

125. CRUNDWELL, A.C. & E. NYHOLM 1974. Funaria muhlenbergii and related European species. – *Lindbergia* **2**: *222-229.*

126. [CZERNYADJEVA, I.V.] ЧЕРНЯДЬЕВА И.В. 1992. Анализ активности видов бриофлоры северо-запада плато Путорана. – [Analysis of species activity in bryoflora of North-West of Putorana Plateau] *Новости Сист. Низш. Раст. [Novosti Sist. Nizsh. Rast.]* **28**: *161-165.*

127. [CZERNYADJEVA, I.V.] ЧЕРНЯДЬЕВА И.В. 1994a. Флора листостебельных мхов окрестностей стационара "Собь" (Полярный Урал). – [The moss flora of the region of Sob Station (Polar Ural)] *Arctoa* **3**: *133-138.*

128. [CZERNYADJEVA, I.V.] ЧЕРНЯДЬЕВА И.В. 1994b. Листостебельные мхи низовьев реки Чугорьяха (Юго-западная часть Гыданского полуострова, Западно-сибирская Арктика). – [Mosses of the lower reaches of the Chugor'yakha River (south-western part of the Gydan Peninsula, West Siberian Arctic)] *Бот. Журн. [Bot. Zhurn.]* **79**(8): *57-67.*

129. CZERNYADJEVA, I.V. 1995a. Philonotis yezoana Besch. et Card. ex Card. (Bartramiaceae, Musci) new to Russia. – *Arctoa* **4**: *15-16*.

130. CZERNYADJEVA, I.V. 1995b. Pohlia cardotii (Bryaceae, Musci) found in Eurasia (Russia, Kamtchatka Peninsula). – *Ann. Bot. Fennici* **32**: *137-139*.

131. [CZERNYADJEVA, I.V.] ЧЕРНЯДЬЕВА И.В. 1997. Виды рода Pohlia (Musci) с выводковыми почками. – [The species of the genus Pohlia (Musci) with propagula] *Бот. Журн.* [*Bot. Zhurn.*] **82**(1): *102-122.*

132. CZERNYADJEVA, I.V. 1999a. On the distribution of propaguliferous species of Pohlia (Bryaceae, Musci) in Russia. – *Arctoa* **8**: *51-56.*

133. CZERNYADJEVA, I.V. 1999b. New record of Dicranella riparia (H. Lindb.) Mårt. et Nyh. (Dicranaceae, Musci) in Russia. – *Arctoa* **8**: *71-72.*

134. CZERNYADJEVA, I.V. 2000. Fissidens arcticus Bryhn in Russia. – *Arctoa* **9**: *25-28.*

135. [CZERNYADJEVA, I.V.] ЧЕРНЯДЬЕВА, И.В. 2001a. Листостебельные мхи заповедника Большая Кокшага (Республика Марий Эл). – [Mosses of Bol'shaya Kokshaga Reserve (Mari El Republic, European Part Russia] *Новости сист. низш. раст. [Novosti Sist. Nizch. Rast.]* **35**: *266-278.*

136. CZERNYADJEVA, I.V. 2001b. Moss flora of Yamal Peninsula (West Siberian Arctic). – *Arctoa* **10**: *121-150.*

137. CZERNYADJEVA, I.V. 2002. Dichelyma capillaceum (Dicks.) Myr. (Musci) in Russia – *Arctoa* **11**: *87-89.*

138. [CZERNYADJEVA, I.V.] ЧЕРНЯДЬЕВА И.В. 2003 [2004]. Род Hygrohypnum (Amblystegiaceae, Musci) в России. – [The genus Hygrohypnum (Amblystegiaceae, Musci) in Russia] *Arctoa* **12**: *25-58*.

139. CZERNYADJEVA, I.V. 2004. *Anacamptodon kamchaticum*, a new species of Amblystegiaceae (Musci) from Far East. – *Arctoa* **13**: *5-8*.

140. CZERNYADJEVA, I.V. 2005. A check-list of the mosses of Kamchatka Peninsula (Far East). – *Arctoa* **14**: *13-34*.

141. [CZERNYADJEVA, I.V.] ЧЕРНЯДЬЕВА, И. В. 2006. Новые находки мхов в Камчатской области. 1. – [New moss records from Kamchatskaya Province. 1] *Arctoa* **15**: *268-270*.

142. CZERNYADJEVA, I.V., V.YA. CHERDANTSEVA, M.S. IGNATOV & I.A. MILYUTINA 2006. Thuidium thermophilum (Thuidiaceae, Bryophyta), a new species from Kamchatka. – *Arctoa* **15**: *195-202.*

143. CZERNYADJEVA, I. V. & M.S IGNATOV 2006. The first record of Sciuro-hypnum uncinifolium (Brachytheciaceae, Musci) in Russia. – *J.Hattori Bot. Lab*. **99**: *271-274*.

144. CZERNYADJEVA, I.V. & E.A IGNATOVA 2004. *Pohlia tundrae* Shaw (Bryaceae, Musci) in Russia. – *Arctoa* **13**: *29-32*.

145. [CZERNYADJEVA, I.V. & L.E. KURBATOVA] ЧЕРНЯДЬЕВА И.В., Л.Е. КУРБАТОВА 1995.К флоре листостебельных мхов долины реки Поной (Кольский полуостров). – [On the flora of mosses of the River Ponoy (Kola Peninsula)] *Вестн. СПбГУ. Сер. 3, вып. 2 [Vestnik Sankt-Peterburg. Univ., Ser. 3, vyp. 2]* **10**: *56-62.*

146. [CZERNYADJEVA, I.V. & E.Yu. KUZMINA] ЧЕРНЯДЬЕВА И.В., Е.Ю. КУЗЬМИНА 2002. Мхи окрестностей города Сургут (Западная Сибирь). – [Mosses of Surgut environs (Western Siberia)] *Новости сист. низш. раст.* [*Novosti Sist. Nizsh. Rast.*] **14:** *254-269.*

147. [CZERNYADJEVA, I.V. & A.D. POTEMKIN] ЧЕРНЯДЬЕВА, И.В., А.Д. ПОТЕМКИН 2002. Флора мохообразных заповедника. – [The bryoflora of the Reserve] *В кн.: Растительность, флора и почвы Верхне-Тазовского Государственного заповедника (ред. В.Ю. Нешатаев). С.-Петербург [In: V.Yu. Neshatayev. Vegetation, flora and soils of the Verhne-Tazovskii State Reserve. Sankt-Petersburg]: 35-46.*

148. [DANILKIV, I.S., O.V. LOBOCHESKA, Z.I. MAMCHUR & M.I. SOROKA] ДАНИЛКІВ І.С., О.В. ЛОБАЧЕВСЬКА, З.І. МАМЧУР, М.І. СОРОКА 2002. Мохоподібні Українського Розточчя. – [Bryophytes of Ukrainian Roztochchya] *Львів, Інст. Екол. Карпат [Lviv, Inst. Ekol. Karpat], 320 pp.*

149. [DRUGOVA, T.P.] ДРУГОВА Т.П. 2005. Флора листостебельных мхов г. Кировска (Мурманская область, север европейской России). – [Moss flora of Kirovsk Town, north of European Russia] *Arctoa* **14**: *203-209.*

150. [DYACHENKO, A.P.] ДЬЯЧЕНКО А.П. 1997. Флора листостебельных мхов Урала. Ч. 1. – [The moss flora of the Urals. Pt. 1]. *Екатеринбург, Изд-во Уральск. ун-та* [*Ekaterinburg, Izd-vo Uralsk. Univ.*]: *264.*

151. [DYACHENKO, A.P.] ДЬЯЧЕНКО А.П. 2001. Bryum stirtonii Bruch et Schimp. in Bruch et al. (сем. Bryaceae Schwaegr. in Willd.) и Pseudocalliergon trifarium (Web. et Mohr) Loeske (сем. Amblystegiaceae G. Roth) – новые для Урала виды мхов (кл. Musci). – [Bryum stirtonii Bruch et Schimp. in Bruch et al. (сем. Bryaceae Schwaegr. in Willd.) and Pseudocalliergon trifarium (Web. et Mohr) Loeske (Amblystegiaceae G. Roth) – new species of mosses (Musci) for Urals] *В кн.: Флора и растительность Сибири и Дальнего Востока. Чтения памяти Л..М. Черепнина: Материалы III Российской конф. Красноярск: КГПУ. [In: Flora i rastitel'nost' Sibiri i Dal'nego Vostoka. Chteniya pamyati L.M. Cherepnina: Materialy III Rossijskoj konferencii. Krasnoyarsk: KGPU]* : 65-66.

152. [DYACHENKO, A.P., M.N. BYSTRUSHKINA, A.G. BYSTRUSHKIN & N.A. STAFEEVA] ДЬЯЧЕНКО А.П., М.Н. БЫСТРУШКИНА, А.Г. БЫСТРУШКИН, Н.А. СТАФЕЕВА 2005. К флоре мхов национального парка «Таганай» (Южный Урал). – [On moss flora of National Park "Taganay" (South Urals)] *В кн.: Исследования природных и социально-экономических систем Урала. Екатеринбург [In: Issledovaniya prirodnykh i sozialno-economicheskikh sistem Urala, Ekaterinburg]: 5–14.*

153. [DYLEVSKAYA, I.V.] ДЫЛЕВСКАЯ И.В. 1963. Leptobarbula Schimp. – новый род для СССР. – [Leptobarbula Schimp. – new genus for the USSR] *Бот. матер. Отд. спор. раст. Бот. ин-та АН СССР [Bot. Mat. Otd. Spor. Rast. Bot. Inst. Akad. Nauk SSSR]* **16**: *199-202.*

154. DÜLL, R. 1984-1985. Distribution of the European and Macaronesian mosses (Bryophytina), Pts. 1-2. – *Bryol. Beitr.* Pt. 1 (1984) **4**: *1-109*; Pt. 2 (1985) **5**: *110-232.*

155. [EREMINA, N.Kh.] ЕРЕМИНА Н.Х. 1964. Новые виды для бриофлоры СССР – Funaria attenuata (Dicks.) Lindb. и Orthotrichum laevigatum Zett. – [New species for bryoflora of the USSR – Funaria attenuata (Dicks.) Lindb. and Orthotrichum laevigatum Zett.] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* '**1964**': *318-324.*

156. [EREMINA, N.Kh.] ЕРЕМИНА Н.Х. 1965a. Материалы к бриофлоре северного Тянь-Шаня – [Materials on bryoflora of Northern Tian-Shan] *В кн.: Споровые растения Средней Азии и Казахстана. Ташкент [In: Sporovye raseniya Srednej Azii i Kazakhstana. Tashkent]: 209-213.*

157. [EREMINA, N.Kh.] ЕРЕМИНА Н.Х. 1965b. Материалы к флоре акрокарпных мхов Заилийского Алатау. – [Materials on flora of acrocarpous mosses of Zailiisky Alatau] *Бот. мат. Гербария ин-та ботаники АН Каз ССР [Bot. Mat. Gerb. Inst. Bot. Akad. Nauk Kazakhskoj SSR]* **3**: *115-125.*

158. [EREMINA, N.Kh.] ЕРЕМИНА Н.Х. 1966. Поясное распределение некоторых видов мхов в Заилийском Алатау. – [Altitudinal distribution of some moss species in Zailiisky Alatau] *Бот. мат. Гербария ин-та ботаники АН Каз ССР [Bot. Mat. Gerb. Inst. Bot. Akad. Nauk Kazakhskoj SSR]* **4**: *155-161.*

159. [EREMINA, N.Kh., U.Kh. SUYUNSHALIEVA & L.N. PRUS] ЕРЕМИНА Н.Х., У.Х. СУЮНШАЛИЕВА, Л.Н. ПРУС 1970. К бриофлоре Алма-Атинского государственного заповедника. – [On bryoflora of Alma-Atinsky State Reserve] *Труды Алма-Атинского гос. заповедн. [Trudy Alma-Atinskogo Gos. Zapov.]* **9**: *46-50.*

160. [EREMINA, N.Kh. & T.P. YURCHENKO] ЕРЕМИНА Н.Х., Т.П. ЮРЧЕНКО 1968 [1970]. К бриофлоре ущелья Большой Киргизсай Кетменского хребта. – [On bryoflora of Bolshoj Kyrgyzsaj Canyon of Ketmensky Range] *Биология и география [Biologia i Geografia]* **5**: *26-29.*

161. [FEDOSOV, V.E.] ФЕДОСОВ В.Э. 2006a. Новые находки мхов в Камчатской области. 2. – [New moss records from Kamchatskaya Province. 2] *Arctoa* **15**: *270.*

162. [FEDOSOV, V.E.] ФЕДОСОВ В.Э. 2006b. Новые находки мхов в Таймырском автономном округе. 1. – [New moss records from Taimyr Autonomous District. 1] *Arctoa* **15**: *258-260.*

163. [FEDOSOV, V.E.] ФЕДОСОВ В.Э. 2006c. Мхи Анабарского плато (рукопись, сборы MW). – Mosses of Anabar Plateau (manuscript, collections in MW).

164. FEDOSOV, V.E. & E.A. IGNATOVA 2005a. Bryophyte flora of the "Ledyanaya Bay" Key plot (Byrranga Range, Taimyr, Siberian Arctic). – *Arctoa* **14**: *71-94.*

165. FEDOSOV, V.E. & E.A. IGNATOVA 2005b. The genus *Pseudocrossidium* (Pottiaceae, Musci) in Russia. – *Arctoa* **15**: *203-210.*

166. [FEDOSOV, V. E. & E.A.IGNATOVA.] ФЕДОСОВ В.Э., Е.А. ИГНАТОВА 2006. Новые находки мхов в республике Коми. 2. – [New moss records from Komi Republic. 2] *Arctoa* **15**: *252-253.*

167. [FEDOSOV, V.E. & S.YU. POPOV] ФЕДОСОВ В. Э., С.Ю. ПОПОВ 2006. Новые находки мхов в Красноярском крае. 1. – [New moss records from Krasnoyarsk Territory. 1] *Arctoa* **15**: *260-261*.

168. FLATBERG, K.I. 1984. A taxonomic revision of the Sphagnum imbricatum complex. – *Det K. Norske Vidensk. Selsk. Skrift.* '**1984**'(3): *1-80*.

169. FLATBERG, K.F. 1988. Taxonomy of Sphagnum annulatum and related species. – *Ann. Bot. Fennici* **25**(4): *303-350.*

170. FLATBERG, K.I. 2005. Taxonomy, geography and possible origin of Sphagnum inexspectatum (sect. Subsecunda) sp. nov. – *Lindbergia* **30**: *59-78*.

171. FRISVOLL, A.A. 1985. Lectotypifications including nomenclatural and taxonomical notes on Ditrichum flexicaule sensu lato. – *Bryologist* **88**: *31-40*

172. FRISVOLL, A.A. 1988. A taxonomic revision of the Racomitrium heterostichum group (Bryophyta, Grimmiales) in N. and C. America, N. Africa, Europe and Asia. – *Gunneria* **59**: *5-289.*

173. GALLEGO, M.T. 2005. A taxonomic study of the genus Syntrichia Brid. (Pottiaceae, Musci) in the Mediterranean region and Macaronesia. – *J. Hattori Bot. Lab*. **98**: *47-122.*

174. [GAMBARYAN, S.K. & V.Ya. CHERDANTSEVA] ГАМБАРЯН С.К., В.Я. ЧЕРДАНЦЕВА 2002. Мохообразные. – [Bryophytes] *В кн.: Кадастр растений и грибов заповедника "Кедровая падь". Владивосток [In.: Kadastr rastenii i gribov zapovednika "Kedrovaya pad". Vladivostok]: 21-30.*

175. GOFFINET, B. 2002. *Orthotrichum sprucei* Mont. (Musci), a European endemic discovered in Kazakhstan – *Arctoa* **11**: *27-30.*

176. GOFFINET, B. & W.R. BUCK 2004. Systematics of the Bryophyta (mosses): from molecules to a revised classification. – *Monographs in Systematic Botany from the Missouri Botanical Garden* **98**: *205-239.*

177. GOLDBERG, I.L. 2002. The saxicolous moss flora of the Middle Urals. – *Arctoa* **11**: *63-80.*

178. [GOROBETS, K.V.] ГОРОБЕЦ К.В. 2004. Флора листостебельных мхов п-ова Муравьева-Амурского и островов Залива Петра Великого (Приморский край). – [Moss flora of Muravjov-Amursky's Peninsula and islands of the Petra Velikogo Bay] *Автореф. дисс... канд. биол. наук. Владивосток, ТИБОХ ДВО РАН [Thesis Ph. D.. Vladivosok, Tikhookeansky Inst. Bioorg. Chimii Dalnevost. Otd. Ross. Akad. Nauk], 22 pp.*

179. GRANZOW-DE LA CERDA, I. 1997. Revision and phylogenetic study of Anomodon and Herpetineuron (Anomodontaceae, Musci). – *Contr. Univ. Michigan Herb.* **21**: *205-275.*

180. GREVEN, H.C. 1995. Grimmia Hedw. (Grimmiaceae, Musci) in Europe. – *Leiden: Backhuys Publishers. 160 pp*.

181. HE, S. 1997. A revision of Homalia (Musci: Neckeraceae). – *J. Hattori Bot. Lab.* **81**: *1-52.*

182. HE, S. 2005. A revision of the genus *Leptopterigynandrum* (Bryopsida, Leskeaceae). – *J. Hattori Bot. Lab*. **95**: *71-154.*

183. HEDENÄS, L. 1989. Amblystegium longicuspis Lindb. & H. Arn., its status and taxonimic position. – *Lindbergia* **14**: *142-146.*

184. HEDENÄS, L. 1989. The genus Sanionia (Musci) in northwestern Europe, a taxonomic revision. – *Ann. Bot. Fenn.* **26**: *399-416.*

185. HEDENÄS, L. 1990**.** Taxonomic and nomenclatural notes on the genera *Calliergonella* and *Breidleria*. – *Lindbergia* **16:** *161-168*.

186. HEDENÄS, L. 1996**.** On the identity of *Brachythecium campestre* (C. Mull.) B., S. & G. in Sweden, Norway and Finland. – *Lindbergia* **20:** *94-101*.

187. HEDENÄS, L. 1997. A partial generic revision of Campylium (Musci). – *Bryologist* **100**: *65-88*.

187a. HEDENÄS, L. 1997. The Drepanocladus s. str. species with excurrent costae (Amblystegiaceae). – *Nova Hedwigia* **64**(3-4): *535-547*.

187b. HEDENÄS, L. 1998. An overview of the Drepanocladus sendtneri complex. – *J. Bryol.* **20**: *83-102*.

188. HEDENÄS, L. 2006. Additional insights into the phylogeny of Calliergon, Loeskypnum, Straminergon, and Warnstorfia (Bryophyta: Calliergonaceae). – *J. Hattori Bot. Lab*. **100**: *125-134.*

189. HEDENÄS, L. & N. PEDERSEN 2002. Nomenclatural consequences of a phylogenetic study of the Plagiotheciaceae. – *Bryologist* **105:** *325-326.*

190. HILL, M.O., N. BELL, M.A. BRUGGEMAN-NANNENGA, M. BRUGUÉS, M.J. CANO, J. ENROTH, K.I. FLATBERG, J.-P. FRAHM, M.T. GALLEGO, R. GARILLETI, J. GUERRA, L. HEDENAS, D.T. HOLYOAK, J. HYVÖNEN, M.S. IGNATOV, F. LARA, V. MAZIMPAKA, J. MUÑOZ & L. SÖDERSTRÖM 2006. An annotated checklist of the mosses of Europe and Macaronesia. – *J. Bryol.* **28**: *198–267.*

191. HOFFMANN, H. 1998. A monograph of the genus Homalothecium (Brachytheciaceae, Musci). – *Lindbergia* **23**: *119-159*.

192. HOLYOAK, D.T. 2004. Taxonomic notes on some European species of Bryum (Bryopsida: Bryaceae). – *J. Bryol.* **26**: *247-264.*

193. HORTON, D.G. 1983. A revision of the Encalyptaceae (Musci), with particular reference to the North American taxa. Part 2. – *J. Hattori Bot. Lab.* **54**: *353-532.*

194. HUTTUNEN, S., A. GARDINER & M.S. IGNATOV 2006. Additional comments on the phylogeny of the Brachytheciaceae (Bryophyta). – *In: Newton, A.E. & R. Tangney (eds.), Pleurocarpous mosses: systematics and evolution. CRC Press, Bocan Rota (Florida): 111-137.*

195. HYVÖNEN, J. 1989. A synopsis of the genus *Pogonatum* (Polytrichaceae, Musci). – *Acta Bot. Fenn.* **138:** *1-87.*

196. IGNATOV, M.S. 1992. On the occurrence of Barbula inaequalifolia Tayl. (Pottiaceae, Musci) in Altai Mountains. – *Укр. Бот. Журн. [Ukr. Bot. Zhurn.]* **49**(1): *95-97*.

197. IGNATOV, M.S. 1994. Bryophytes of Altai Mountains. I. Study area and history of its bryological exploration. – *Arctoa* **3**: *13-27*.

198. IGNATOV, M.S. 1998. Bryophyte flora of Altai Mountains. VIII. Brachytheciaceae. – *Arctoa* **7**: *85-152.*

199. IGNATOV, M.S. & O.M. AFONINA (eds.) 1992. Checklist of mosses of the former USSR. – *Arctoa* **1***: 1-85.*

200. IGNATOV, M.S., H. ANDO & E.A. IGNATOVA 1996. Bryophyte flora of Altai Mountains. VII. Hypnaceae and related pleurocarps with bi- or ecostate leaves. – *Arctoa* **6:** *21-112.*

201. IGNATOV, M., A. BERSANOVA, Z. KHARZINOV & E. IGNATOVA 2005 [2006] Leptodontium (Pottiaceae, Bryophyta), a new genus for Caucasus. – *Arctoa* **14**: *35-38.*

202. IGNATOV, M.S. & CAO TONG 1994. Bryophytes of Altai Mountains. IV. The family Grimmiaceae (Musci). – *Arctoa* **3**: *67-122*.

203. IGNATOV, M.S. & V.Ya. CZERDANTSEVA 1995. The families Cryphaeaceae, Leucodontaceae and Leptodontaceae (Musci) in Russia. – *Arctoa* **4**: *65-104*.

204. IGNATOV, M., A. GARDINER, V. BOBROVA, I. MILYUTINA, S. HUTTUNEN & A. TROITSKY 2006. On relationships of mosses of the order Hypnales, with the special reference to taxa traditionally classified in Leskeaceae. – *In: Newton, A.E. & R. Tangney (eds.), Pleurocarpous mosses: systematics and evolution. CRC Press, Bocan Rota (Florida): 171-207.*

205. IGNATOV, M.S. & S. HUTTUNEN 2002. Brachytheciaceae (Bryophyta) – a family of sibling genera. – *Arctoa* **11**: *245-296.*

205a. [IGNATOV, M.S. & E.A. IGNATOVA] ИГНАТОВ М.С., Е.А. ИГНАТОВА 1989. Мхи Холодной речки (Абхазская ССР). – [Mosses of Kholodnaya Reczka (Abkhazskaya SSR)] *Бюлл. Гл. Бот. Сада* [*Byull. Galavnogo Bot. Sada*] **152**: *63-67.*

206. IGNATOV, M.S. & E.A. IGNATOVA 2003. Brachythecium buchananii (Brachytheciaceae, Musci) – a new species for Uzbekistan. – *Arctoa* **12**: *113-114.*

207. [IGNATOV, M.S. & E.A. IGNATOVA] ИГНАТОВ М.С., Е.А. ИГНАТОВА 2003-2004. Флора мхов средней части европейской России. Т. 1-2. – [Moss flora of the Middle European Russia. Vols. 1-2] *M., КМК [Moscow, KMK]:* **1** (2003): *1-608;* **2** (2004): *609-960.*

208. IGNATOV, M.S., E.A. IGNATOVA, T.V. AKATOVA & N.A. KONSTANTINOVA 2002. Bryophytes of the Khosta' Taxus and Buxus Forest (Western Caucasus, Russia). – *Arctoa* **11**: *205-214.*

209. IGNATOV, M.S., E.A. IGNATOVA & V.Ya. CHERDANTSEVA 2006. *Oedipodium griffithianum* (Dicks.) Schwägr. (Oedipodiopsida, Bryophyta), a new species and class for Russia. – *Arctoa* **15**: *211-214*.

210. IGNATOV, M.S., E.A. IGNATOVA, Z. IWATSUKI & B.C. TAN 1999. Two new moss taxa from the Bureya River, Russian Far East. – *Arctoa* **8**: *59-68.*

211. IGNATOV, M.S., E.A. IGNATOVA & N.A. KONSTANTINOVA 2005. Bryophyte flora of the Volzhsko-Kamskiy Nature Reserve (Tatarstan, European Russia). – *Arctoa* (2005) **14**: *49-66.*

212. [IGNATOV, M. S., E. A. IGNATOVA & G. A. PRONKINA] ИГНАТОВ М.С., Е.А. ИГНАТОВА, Г.А. ПРОНЬКИНА. 2004. Мхи заповедников России. – [Mosses of State Reserves of Russia] *Современное состояние биологического разнообразия на заповедных территориях России. Том. 3. Лишайники и мохообразные. М., МСОП [Sovremennoe sostoyanie biologicheskogo raznoobraziya na zapovednykh territoriyakh Rossii. Vol. 3. Lishainiki i mokhoobraznye. Moscow, IUCN]: 274-366.*

213. IGNATOV, M.S., E.A. IGNATOVA & S.A. SURAGINA 2002. A new variety of Syntrichia caninervis (Pottiaceae, Musci). – *Arctoa* **11**: *333-336.*

214. IGNATOV, M.S. & J. LEWINSKY-HAAPASAARI 1994. Bryophytes of Altai Mountains. II. The genera Amphidium Schimp., Orthotrichum Hedw. and Zygodon Hook. & Tayl. (Orthotrichaceae, Musci). – *Arctoa* **3**: *29-57.*

215. IGNATOV, M.S., I.A. MILYUTINA & S. HUTTUNEN 2006. On two East Asian species of Brachythecium (Brachytheciaceae, Musci). – *J. Hattori Bot. Lab.* **100**: *191-199.*

216. IGNATOV, M.S., I.A. MILYUTINA, T. KOPONEN, D.C. LONG & E. IGNATOVA 2006. Taxonomy of *Struckia* (Plagiotheciaceae, Bryophyta) based on molecular and morphological data. – *Chenia,* Vol. **9**.

217. IGNATOV, M.S. & R. OCHYRA 1994. Bryophytes of Altai Mountains. III. The genus Ulota (Orthotrichaceae, Musci). – *Arctoa* **3**: *59-66.*

218. IGNATOV, M.S. & R. OCHYRA 1995. On the systematic position of Myurella and Bardunovia, genus novus (Plagiotheciaceae, Musci). – *Arctoa* **5**: *45-59.*

219. IGNATOV, M.S. & G.L. SMITH MERRILL 1995. Bryophytes of Altai Mountains. VI. The Family Polytrichaceae (Musci). – *Arctoa* **5**: *61-97.*

220. IGNATOV, M.S. & B.C. TAN 1991. Orthodontopsis, a new genus of Bryaceae (Musci) from southern Siberia, USSR. – *J. Hattori Bot. Lab*. **71**: *165-173.*

221. IGNATOV M.S., B.C. TAN, Z. IWATSUKI & E.A. IGNATOVA 2000. Moss flora of the Upper Bureya River (Russian Far East). – *J. Hattori Bot. Lab.* **88**: *147-178*.

222. IGNATOV, M.S. & R.H. ZANDER 1993. Barbula amplexifolia from the Altai Mountains of Russia. – *Bryologist* **96**(4): *638-639*.

223. IGNATOVA, E.A. 2001. A new species of Barbula (Pottiaceae, Musci) from Siberia. – *Arctoa* **10**: *161-164*.

224. [IGNATOVA, E.A.] ИГНАТОВА Е.А. 2005. О распространении видов *Dicranum* с трубчато свернутыми листьями в России. – [On the distribution of *Dicranum* species with tubulose leaves in Russia] *В кн.: «Актуальные проблемы бриологии», Тр. междунар. сов. посв. 90–летию со дня рожд. А.Л. Абрамовой. СПб, 22-25 ноября 2005. [In: Proc. Int. Conf. "Actual Problems of Bryology" devoted to 90th Anniversary of A.L. Abramova. St. Petersburg, 22-25 November 2005]: 95-101.*

225. IGNATOVA, E., H. BEDNAREK-OCHYRA, O. AFONINA & J. MUÑOZ 2003 [2004]. A new species of Grimmia (Grimmiaceae, Musci) from north-east Asia and Alaska. – *Arctoa* **12:** *1-8*.

226. [IGNATOVA, E.A. & V.B. GOLUB] ИГНАТОВА Е.А., В.Б. ГОЛУБ 2006. Новые находки мхов в Краснодарском крае. 1. – [New moss records from Krasnodar Territory. 1] *Arctoa* **15**: *256.*

227. IGNATOVA, E.A. & M.S. IGNATOV 2001. Bryoeryth-

rophyllum ferruginascens (Stirt.) Giac. (Pottiaceae, Musci) in Russia. – *Arctoa* **10**: *151-154.*

228. IGNATOVA, E.A. & M.S. IGNATOV 2003. Habrodon perpusillus (Habrodontaceae, Musci) – a new family, genus and species for Russia. – *Arctoa* **12**: *133-136.*

229. IGNATOVA, E.A. & M.S. IGNATOV 2005. On the identity of Physcomitrium martianovii (Funariaceae, Bryophyta). – *Arctoa* **14**: *67-70.*

230. [IGNATOVA, E.A., M.S. IGNATOV & A.G. BEZGODOV] ИГНАТОВА Е.А., М.С. ИГНАТОВ, А.Г. БЕЗГОДОВ 1996. Мхи Вишерского заповедника (Пермская область, Северный Урал). – [Mosses of the Vishera State Reserve (Perm Province, Northern Ural Mountains)] *Arctoa* **6**: *7-19*.

231. [IGNATOVA, E.A., M.S. IGNATOV, V.G. ONIPCHENKO, V.I. ZOLOTOV & N.A. KONSTANTINOVA] ИГНАТОВА Е.А., М.С. ИГНАТОВ, В.Г. ОНИПЧЕНКО, В.И. ЗОЛОТОВ, Н.А. КОНСТАНТИНОВА 2007. Бриофлора Тебердинского заповедника. – [Bryoflora of the Teberda Reserve] *Флора и фауна заповедников. Москва* [*Flora i fauna zapovednikov. Moscow*] (in press).

232. IGNATOVA, E.A., M.S. IGNATOV, A.P. SEREGIN, T.V. AKATOVA, N.A. KONSTANTINOVA 2005. Bryophyte flora of the projected Utrish Nature Reserve (North-West Caucasus, Russia). – *Arctoa* **14**: *39-48*.

233. IGNATOVA, E., A. MAKSIMOV, T. MAKSIMOVA & O. BELKINA 2006. Notes on distribution of Schistidium species (Grimmiaceae, Bryophyta) in Murmansk Province and Karelia. – *Arctoa* **15**: *237-247.*

234. IGNATOVA, E. & J. MUÑOZ 2004. The genus Grimmia (Grimmiaceae, Musci) in Russia. – *Arctoa* **13:** *100-182.*

235. IGNATOVA, E.A., T.YU. SAMKOVA 2006. Campylopus umbellatus (Arnell) Paris (Leucobryaceae, Bryophyta), a new species for Russia. – *Arctoa* **15**: *215-218*.

236. INGERPUU, N., A. KALDA, L. KANNUKENE, H. KRALL, M. LEIS & K. VELLAK 1994 List of the Estonian bryophytes. – *The Naturalist's Notebook* **94**: *1-175.*

237. INGERPUU, N., A. KALDA, L. KANNUKENE, H. KRALL, M. LEIS & K. VELLAK 1998. Eesti sammalde määraja. – [Handbook of Estonian bryophytes] *Tartu, ERMÜ ZBI Eesti Loodusfoto, 239 pp.*

238. IVANOVA, E.I., M.S. IGNATOV, I.A. MILYUTINA & V.K. BOBROVA 2005. On the morphological and molecular differences between Oligotrichum hercynicum and O. falcatum (Polytrichaceae, Bryophyta). – *Arctoa* **14**: *1-11.*

239. [IVANOVA, E.I., E.A. IGNATOVA, M.S. IGNATOV, V.I. ZOLOTOV, K.K. KRIVOSHAPKIN] ИВАНОВА Е.И., Е.А. ИГНАТОВА, М.С. ИГНАТОВ, В.И. ЗОЛОТОВ, К.К. КРИВОШАПКИН 2005. Листостебельные мхи. – [Mosses] *В кн.: Разнообразие растительного мира Якутии (ред. Н.С.Данилова) Новосибирск, Изд-во СО РАН [In: Danilova, N.S. (ed.), Raznoobrazie rastitelnogo mira Yakutii, Novosibirsk, Sib. Otd. Ross Akad. Nauk]: 105-125.*

240. IWATSUKI, Z. & A. NOGUCHI 1973. Index muscorum japonicarum. – *J. Hattori Bot. Lab.* **37**: *299-418.*

241. IWATSUKI, Z. 1991. Catalog of the Mosses of Japan. – *Nichinan, Hattori Botanical Laboratory, 182 pp.*

242. IWATSUKI, Z. 2004. New catalog of the mosses of Japan. – *J. Hattori Bot. Lab.* **96:** *1-182.*

243. JIMÉNEZ, J.A. 2006. Taxonomic revision of the genus Didymodon Hedw. (Pottiaceae, Bryophyta) in Europe, North Africa and Southwest and Central Asia – *J. Hattori Bot. Lab*. **100**: *211-292*.

244. JUKONIENE, I. 2003. Lietuvos kiminai ir zaliosios samanos. – [Mosses of Lithuania] *Vilnius, Botanikos instituto leidykla, 402 pp.*

245. KANDA, H. 1976 [1977]. A revision of the family Amblystegiaceae of Japan. II. – *J. Sci. Hiroshima Univ., ser. B, Div. 2*, **16**: *47-119.*

246. KANNUKENE, L. & N.V. MATVEJEVA 1996. Mosses from the arctic tundra of the Taimyr Peninsula, Siberia. – *Proc. of Estonian Acad. Sci. Biol.* **45**(1/2): *51-67*.

247. [KAZANOVSKY, S.G.] КАЗАНОВСКИЙ С.Г. 1991. К бриофлоре Байкальского заповедника. – [On the bryoflora of Baikal Reserve]. *Бриология в СССР, ее достижения и перспективы (Мат. конф., Львов, 10-12 сент. 1991) (ред. Демкив, О. Т.), Львов, АН СССР, АН УССР [In: Demkiv, O. T. (ed.), Briologia v SSSR, ee dostizheniya i perspektivy (Proc. Conf., Lvov, 10-12 Sept. 1991). Lvov, Akad. Nauk SSSR & Akad. Nauk Ukr. SSR]: 94-98.*

248. KHARZINOV, Z., N. PORTENIER, E. IGNATOVA, S. SHHAGAPSOEV & M. IGNATOV 2004. Rare species and preliminary list of mosses of the Kabardino-Balkaria (Caucasus). – *Arctoa* **13**: *33-40.*

249. [KHARZINOV, Z.Kh., A.N. BERSANOVA, S.H. SHHAGAPSOEV, E.A. IGNATOVA & M.S. IGNATOV] ХАРЗИНОВ З.Х., А.Н. БЕРСАНОВА, С.Х. ШХАГАПСОЕВ, Е.А ИГНАТОВА, М.С. ИГНАТОВ 2005. Еще раз об азиатских связях флоры мхов Центрального Кавказа. – [Once more about Asian relationships of moss flora of the Central Caucasus] В кн.: *«Актуальные проблемы бриологии», Тр. междунар. сов. посв. 90–летию со дня рожд. А.Л. Абрамовой. СПб, 22-25 ноября 2005. [Proc. Int. Conf. "Actual Problems of Bryology" devoted to 90th Anniversary of A.L. Abramova. St. Petersburg, 22-25 November 2005]*: *182-188.*

250. [KHARZINOV, Z.Kh., M.S. IGNATOV, E.A. IGNATOVA & N.N. PORTENIER] ХАРЗИНОВ З.Х., Е.А. ИГНАТОВА, М.С. ИГНАТОВ, Н.Н. ПОРТЕНИЕР 2006. Новые находки мхов в Кабардино-Балкарской Республике. 1. – [New moss records from Kabardino-Balkarian Republic. 1] *Arctoa* **15**: *256-258.*

251. [KONSTANTINOVA, N.A., A.Yu. LIKHACHEV & O.A. BELKINA] КОНСТАНТИНОВА Н.А., А.Ю. ЛИХАЧЕВ, О.А. БЕЛКИНА 1993. Дополнения и уточнения к "Конспекту флоры мохообразных Мурманской области". – [Additions and refinements to "Synopsis of the Bryophytes of the Murmansk region"] *В кн.: Флористические и геоботанические исследования вМурманской области (ред. Константинова Н.А.), Апатиты [In: Konstantinova, N. A. (ed.), Floristicheskie i geobotanicheskie issledovaniya v Murmanskoj oblasti. Apatity]: 6-44.*

252. KOPONEN, T. 1971. A monograph of Plagiomnium sect. Rosulata (Mniaceae). – *Ann. Bot. Fennici* **8**: *305-367*.

253. KOPONEN, T. 1996. Notes on Philonotis (Bartrami-

aceae, Musci). 1. Status and distribution of Philonotis falcata (Hook.) Mitt. – *Arctoa* **6**: *113-117.*

253a. KOPONEN, T. 1980. A synopsis of Mniaceae (Bryophyta). IV. Taxa in Europe, Macaronesia, NW Africa and the Near East. – *Ann. Bot. Fennici* **17**: *125-162.*

253b. KOPONEN, T. 1994. Cinclidiaceae, Mniaceae and Plagiomniaceae from Minshan Range, northwestern Sichuan, China. – *Hikobia* **11** (4): *387-406.*

253c. KOPONEN, T. & O.M. AFONINA 1992. Miscellaneous notes on Mniaceae (Bryophyta). XV. Genus Rhizomnium in the Russia east of Ural Mts. – *Bryobrothera* **1**: *245-250.*

254. KOPONEN, T. & I.V. CZERNYADJEVA 2006. Rhizomnium tuomikoskii (Mniaceae, Musci) on the Kamchatka Peninsula, Russian Far East. – *Arctoa* **15**: *183-186.*

255. [KOSSOVICH, E.I.] КОСОВИЧ Е.И. 1989. Находка Tomenthypnum falcifolium (Brachytheciaceae) – нового для флоры Евразии вида. – [Finding of Tomenthypnum falcifolium (Brachytheciaceae) – a new species for Eurasian bryoflora] *Бот. журн.* [*Bot. Zhurn.*] **74:** *250-253.*

256. [KOVALSKY, S.V.] КОВАЛЬСКИЙ С.В. 1998. Pogonatum nanum (Polytrichaceae, Bryopsida) в Средней России. – [Pogonatum nanum (Polytrichaceae, Bryopsida) in Central Russia] *Arctoa* **7**: *83-84.*

257. KRAMER, W. 1980. Tortula Hedw. sect. Rurales De Not. (Pottiaceae, Musci) in der Östlichen Holarktis. – *Bryoph. Bibl.* **21**: *1-165+29 tabs.*

258. KRIVOSHAPKIN, K.K. 1998. Moss flora of the Olekminsky Nature Reserve (Jakutia). – *Arctoa* **7**: *9-20.*

259. KRUIJER, H. 2002. Hypopterygiaceae of the world. – *Blumea, suppl.* **13:** *1-388.*

260. [KURBATOVA, L.E.] КУРБАТОВА Л.Е. 1998. Род Scouleria Hook. в России. – [Genus Scouleria Hook. in Russia] *Новости сист. низш. раст.* [*Novosti Sist. Nizsh. Rast.*] **32:** *162-169.*

261. [KURBATOVA, L.E. & G.YA. DOROSHINA] КУРБАТОВА Л.Е., Г.Я. ДОРОШИНА 2006. Новые находки мхов в Ленинградской области. 1. – [New moss records from Leningrad Province] *Arctoa* **15**: *249.*

262. [KURBATOVA, L.E., G.Ya. DOROSHINA-UKRAINSKAYA & E.O. KUZMINA] КУРБАТОВА Л.Е., Г.Я. ДОРОШИНА-УКРАИНСКАЯ, Е.О. КУЗЬМИНА 1999. Листостебельные мхи Ленинградской области. – [Mosses of the Leningrad Province (European Russia)] *В кн.: Биоразнообразие Ленинградской области (Водоросли. Грибы. Лишайники. Мохообразные. Беспозвоночные животные. Рыбы и рыбообразные) (ред. Балашова Н.Б., А.А. Заварзин), СПб, изд-во СПб ун-та [In: Balashova N.B., A.A. Zavarzin (eds.), Biodiversity of Leningrad Province (Algae, fungi, lichens, bryophytes, invertebrates, fishes and pisciformes) St.-Petersburg, Izd. SPb. Univ.]: 271-302.*

263. [KUVAEAV, V.B.] КУВАЕВ В.Б. 1996. К флоре листостебельных мхов острова Сибирякова. – [On moss flora Sibiryakov Island] *Новости сист. низш. раст.* [*Novosti Sist. Nizsh. Rast.*] **31**: *167-170.*

264. [KUZMINA, E. YU & I.V. CZERNYADJEVA] КУЗЬМИНА Е.Ю., И.В. ЧЕРНЯДЬЕВА 2005. Листостебельные мхи бассейна р. Сабун (Среднее течение р. Обь, Западная Сибирь). – [Mosses of Sabun River basin, middle course of Ob River, West Siberia] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **38**: *340-356.*

265. LAPSHINA, E.D. & E.Ya. MULDIYAROV 1998. The bryophyte flora of the Middle Western Siberia. – *Arctoa* **7**: *25-32.*

266. [LAPSHINA, E.D.] ЛАПШИНА Е.Д. 2003. Флора болот юго-востока Западной Сибири. – [Flora of mires of southern-east West Siberia] *Томск, изд.-во Томского Унив.* [*Tomsk, izd. Tomsk Univ.*]: *1-296.*

267. [LAZARENKO, A.S.] ЛАЗАРЕНКО А.С. 1938. Матеріали до бріофлори Середньої Азіи. – [Materials on brioflora of Middle Asia] *Журн. Інст. Бот. АН УРСР [Zhurn. Inst. Bot. Akad. Nauk Ukr.SSR]* **26-67**: *191-216.*

268. [LAZARENKO, A.S.] ЛАЗАРЕНКО А.С. 1940-1945. Листяні мохи Радянського Далекого Сходу. I–IV. – [Mosses of the Soviet Far East. I–IV]. *Бот. Журн. АН УРСР [Bot. Zhurn. Akad. Nauk Ukr. RSR]* Pt. I (1940): **1**(3-4): *59-100*; Pt. II (1941): **2**(1): *51-95*; Pt. III (1941): **2**(2): *271-308*; Pt. IV (1945): **2**(3-4): 185-216.

269. [LAZARENKO, A.S.] ЛАЗАРЕНКО А.С. 1955 Определитель лиственных мхов Украины. – [Handbook of mosses of Ukraine] *Киев, Изд-во АН УССР [Kiev, Izd. Akad. Nauk UkrSSR], 468 pp.*

270. LEWINSKY, J. 1993. A synopsis of the genus Orthotrichum Hedw. (Musci, Orthotrichaceae). – *Bryobrothera* **2:** *1-59.*

271. LEWINSKY-HAAPASAARI, J. 1994. Miscellaneous notes on Orthotrichum 5. Orthotrichum vicarium Laz. – *Lindbergia* **19:** *37-39.*

272. LEWINSKY-HAAPASAARI, J. 1996. Orthotrichum holmenii, a new corticolous species from Kazakhstan with comments on Orthotrichum hallii in Asia. – *Bryologist* **99**: *1-5.*

273. [LIKHACHEV, A.Yu. & O.A. BELKINA] ЛИХАЧЕВ А.Ю., О.А. БЕЛКИНА 1999. Листостебельные мхи горного массива Лавна-тундра (Мурманская область, Россия). – [Mosses of Lavna-Tundra mountains (Murmansk Province, Russia)] *Arctoa* **8**: *5-16.*

274. LINDBERG, S.O. 1872. Contributio ad floram cryptogamam Asiae boreali-orientalis. – *Acta Soc. Sci. Fennicae* **10**: *221-280.*

275. LINDBERG, S.O. & H.W.ARNELL 1890. Musci Asiae Borealis. – *Kongl. Svenska Vetensk.-Akad. Handl.* **23**(10): *1-163.*

276. LÜTH, M. 2006. Neue Moosfunde aus Sudbaden und Bemerkungen zu einigen kritischen Arten. – *Herzogia* **19**: *323-339.*

277. [LYUBARSKAYA, L.B.] ЛЮБАРСКАЯ Л.Б. 1986. Конспект флоры листостебельных мхов Азербайджана. – [Conspect of mosses of Azerbaijan] *Баку, Инст.Бот. АН АзССР, рукопись деп в ВИНИТИ [Baku, Inst. Bot. Akad. Nauk Azerb. SSR (msc)], 178 pp.*

278. MAGILL, R.E. & V.Ya. CHERDANTSEVA 1995. Meteorium (Musci, Meteoriaceae) in the Russian Far East. – *Fragm. Florist. et Geobot.* **40**(1): *223-227.*

279. MAIER, E. 1998. Zur systematischen Stellung von *Grimmia pitardii* Corb. (Musci). – *Candollea* **53:** *301-308.*

280. MAKSIMOV, A. 1995. New data on the distribution of Sphagnum molle in Karelia (Russia). – *Memoranda Soc.*

Fauna Flora Fennica **71**(1-2): *1-2.*

281. [MAKSIMOV, A.I.] МАКСИМОВ А.И. 2000. Редкие листостебельные мхи Карелии. – [The rare mosses of Karelia (Russia)] *Бот. Журн.* [*Bot. Zhurn.*] **85**(4): *67-80.*

282. [MAKSIMOV, A.I.] МАКСИМОВ А.И. 2003. Дополнение к флоре листостебельных мхов национального парка «Паанаярви». – [Additions to moss flora of the Paanajarvi National Park] *Труды Карельского НЦ РАН. Природа и экосистемы национального парка «Паанаярви». Серия Б. Биология. Вып. 3.* [*Proceedings of Karelin Research Centre RAS. Priroda i ecosistemy Natsional'nogo Parka Paanajarvi. Seria B. Biologia]* ***3:*** *68-70.*

283. [MAKSIMOV, A.I] МАКСИМОВ А.И. 2006. Листостебельные мхи Карелии – [Mosses of Karelia] *В кн.: Северная Европа в XXI веке: природа, культура, экономика. Материалы Международной конференции, посвященной 60-летию КарНЦ РАН. Секция «Биологические науки». Секция «Науки о земле». Петрозаводск, Карельский НЦ РАН [In: Severnaya Evropa v XXI veke: priroda, kul'tura, ekonomika. Materialy Mezhdunarodnoj konferentsii, posvyashchennoj 60-letiyu Karelian Recearch Centre RAS. Sektsiya "Biologicheskie nauki". Sektsiya "Nauki o zemle". Petrozavodsk, Karelian Research Centre]: 140-142.*

284. [MAKSIMOV, A.I. & E.I. IVANOVA] МАКСИМОВ А.И., Е.И. ИВАНОВА 2006. Сфагновые мхи низовьев реки Индигирка. – [Sphagnum mosses in the Lower of Indigirka River] *Биоразнообразие растительного покрова Крайнего севера: инвентаризация, мониторинг, охрана. Материалы Всероссийской конференции. Сыктывкар [Bioraznoobrazie rastitel'nogo pokrova Krainego Severa: inventarizatsia, monitoring, okhrana. Materialy Vserossijskoj konferentsii, Syktyvkar]: 67-68.*

285. [MAKSIMOV, A.I. & T.A. MAKSIMOVA] МАКСИМОВ А.И., Т.А. МАКСИМОВА 1998. Первая находка *Fissidens pusillus (Fissidentaceae, Musci)* в Карелии – [The first record of Fissidens pusillus (Fissidentaceae, Musci) in Karelia] *Бот. журн. [Bot. Zhurn.]* **83** *(6): 123-127.*

286. [MAKSIMOV, A.I. & T.A. MAKSIMOVA] МАКСИМОВ А.И., Т. А. МАКСИМОВА 2001. 3.2. Листостебельные мхи – [3.2. Mosses] *Инвентаризация и изучение биологического разнообразия на территории центральной Карелии (оперативно-информационные материалы). Петрозаводск: Карельский научный центр РАН. [Inventarizatsiya i izuchenie biologicheskogo raznoobraziya na territorii central'noj Karelii (operativno-informatsionnye materialy). Petrozavodsk, Karelian Research Centre]: 94-101.*

287. [MAKSIMOV, A.I. & T.A. MAKSIMOVA] МАКСИМОВ А.И., Т.А. МАКСИМОВА 2003. 4.2. Листостебельные мхи – [4.2. Mosses] *В кн.:Материалы инвентаризации природных комплексов и научное обоснование ландшафтного заказника «Сыроватка». (ред. А.Н. Громцев). Петрозаводск [In: Gromtsev, A. N. (ed.), Materialy inventarizatsii prirodnykh kompleksov i nauchnoe obosnovanie landshaftnogo zakaznika "Syrovatka". Petrozavodsk]: 46-50.*

288. [MAKSIMOV, A.I. & T.A. MAKSIMOVA] МАКСИМОВ А.И., Т.А. МАКСИМОВА. 2005a. Материалы к флоре листостебельных мхов планируемого природного парка «Кожозерский» (Архангельская область). – [Note to moss flora of the proposed Kozhozerskij National Park (Archangelsk district)] *Труды Карельского НЦ РАН. Биогеография Карелии. Петрозаводск* [*Proceedings of Karelian Research Centre RAS. Biogeografiya Karelii. Petrozavodsk]* **7:** *157-167.*

289. [MAKSIMOV, A.I. & T.A. MAKSIMOVA] МАКСИМОВ А.И., Т.А. МАКСИМОВА. 2005b. Листостебельные мхи. – [Mosses]. *В кн.: Природные комплексы Вепсской волости: особенности, современное состояние, охрана и использование (Ред. А.Н. Громцев). Карельский НЦ РАН. Петрозаводск [In: Gromtsev (ed), Prirodnye kompleksy Vepsskoij volosti, sovremennoe sostoyanie, okhrana i ispol'zovanie. Petrozavodsk, Karelia Research Centre RAS]:127-134.*

290. [MAKSIMOV, A.I. & T.A. MAKSIMOVA] МАКСИМОВ А.И., Т.А. МАКСИМОВА 2006. К флоре листостебельных мхов бывшего национального парка Хиисъярви и его окрестностей (Карелия) – [Note to moss flora of the Former Hiisjarvi National Park and their vicinity] *Устойчивость экосистем и проблема сохранения биоразнообразия на Севере. Материалы Международной конференции. Кировск. [Ustoichivost' ekosistem i problemy sokhranenia bioraznoobraziya na Severe. Materialy Mezhdunarodnoj konferentsii. Kirovsk]* ***1****: 116-119.*

291. MAKSIMOV, A.I., T.A. MAKSIMOVA & M.A. BOICHUK. 2003. 3.2. Mosses in protected areas. – *In: Gromtsev A. N. & al., eds. Biotic diversity of Karelia: conditions of formation, communities and species. Petrozavodsk: Karelian Research Centre of RAS: 89-102.*

292. [MAKSIMOV, A.I., L.A. VOLKOVA & I.V. KUKSA] МАКСИМОВ А.И., Л.А. ВОЛКОВА, И.В. КУКСА 1995. Листостебельные мхи заповедника "Кивач". – [Mosses of the Kivach Reserve] *В кн.: Флористические исследования в Карелии. Вып. 2. Петрозаводск [In: Floristicheskie issledovaniya v Karelii. Pt. 2. Petrozavodsk]: 43-67.*

293. [MAMATKULOV, U.K.] МАМАТКУЛОВ У.К. 1967. Мхи заповедника «Рамит». – [Mosses of the Ramit Reserve] *Изв. отд. биол. наук АН ТАдж ССР [Izv. Otd. Biol. Nauk Akad. Nauk Tadjikskoj SSR]* **3**(28): *83-86.*

294. [MAMATKULOV, U.K.] МАМАТКУЛОВ У.К. 1975. Лиственные мхи Дарвазского хребта. – [Mosses of Darvaz Range] *Душанбе, Дониш [Dushanbe, Donish]: 100 pp.*

295. [MAMATKULOV, U.K.] МАМАТКУЛОВ У.К. 1990. Флора мохообразных Таджикской ССР. Т. 1. – [The flora of the bryophytes of the Tadjik SSR, Vol. 1] *Dushanbe, Donish [Душанбе, Дониш], 320 pp.*

296. [MAMATKULOV, U.K., I.O. BAITULIN & S.G. NESTEROVA] МАМАТКУЛОВ У.К., И.О. БАЙТУЛИН, С.Г. НЕСТЕРОВА 1998. Мохообразные Средней Азии и Казахстана. – [Bryophytes of the Middle Asia and Kazakhstan] *Алматы* [*Almaty*], *232.*

297. [MANAKYAN, V.A.] МАНАКЯН В.А. 1995. Итоги бриологических исследований в Армении. – [Results of bryological studies in Armenia] *Arctoa* **5**: *15-33.*

298. MATSUI, T. & Z. IWATSUKI 1990. A taxonomic revision of the family Ditrichaceae (Musci) of Japan, Korea and Taiwan. – *J. Hattori Bot. Lab.* **68:** *317-366.*

299. MINAMI, Yo., S. OKITSU, H. KANDA, V.Ya. CHERDANTSEVA & S.Yu. GRISHIN 2001. Occurrence of

bryophytes on Paramushir Island, northern Kuriles, Far East Russia. – *Mem. Nat. Inst. Polar Res., Spec. Issue* **54**: *487-493*.

300. MOGENSEN, G.S. 1973. A revision of the moss genus Cinclidium Sw. (Mniaceae Mitt.). – *Lindbergia* **2:** *49-80.*

301. MOGENSEN, G.S. 2000. Encalypta rhaptocarpa Schwaegr. and E. leptodon Lindb. in Denmark are E. trachymitria Rip.: on their taxonomy and differences (Bryophyta, Musci). – *Lindbergia* **26**: *33-36.*

302. MOGENSEN, G.S. & I. GOLDBERG 2003. The genus Seligeria in the Ural Mountains (Seligeriaceae, Bryophyta). – *Lindbergia* **28**: *59-74*.

303. [MONAKHOV, A.K. & Z.N. SMIRNOVA] МОНАХОВ А.К., З.Н.СМИРНОВА 1968. О находке некоторых северных видов в Центральном Казахстане. – [On the finding of some northern species in the Central Kazakhstan] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* '**1969**': *274-278.*

304. [MORDVINOV, A.N.] МОРДВИНОВ А.Н. 1994. Бриофлора Жигулевского заповедника. — [The bryoflora of Zigulyovsky Reserve] *Бот. журн.* [*Bot. Zhurn.*] **79**(4): *65-70.*

305. MUÑOZ, J. 2002 Grimmia exquisita (Musci, Grimmiaceae), a new species from central Asia. – *J. Bryol.* **24**: *315-318*.

306. MUÑOZ, J. & F. PANDO 2000. A world synopsis of the genus Grimmia. – *Monogr. Syst. Bot. Missouri Bot. Gard.* **83**: *133 pp.*

307. [MULDIYAROV, E.Ya. & N.A. CHERNOVA] МУЛЬДИЯРОВ Е.Я., Н.А. ЧЕРНОВА 2002 [2003]. Новые виды мохообразных Томской области. – [New records of bryophytes in Tomsk Province] *Arctoa* **11**: *215-218.*

308. [MULDIYAROV, E.Ya. & E.D. LAPSHINA] МУЛЬДИЯРОВ Е.Я. , Е.Д. ЛАПШИНА 1990. Эколого-фитоценотическая характеристика бриофлоры района падения Тунгусского метеорита. – [Ecologo-phytocenotic characteristic of bryoflora of the area of the Fall of Tunguska Meteorite]. *Следы космических воздействий на землю. Новосибирск, АН СССР, СО, Ин-т геол. и геофиз. Sledy kosmicheskikh vozdeistvij na Zemlyu. Novosibirsk, Akad. Nauk SSSR, Sib. Otd. , Inst. Geol. Geofiz.]: 133-139.*

309. [NAPREENKO, M.G.] НАПРЕЕНКО М.Г. 2006. Мхи Калининградской области. – [Mosses of Kaliningrad Province], рукопись [manuscript].

310. [NAPREENKO, M.G. & L.V. RAZGULJAJEVA] НАПРЕЕНКО М.Г., Л.В. РАЗГУЛЯЕВА 1999. Сфагновые мхи Калининградской области. – [Sphagna of Kaliningrad Province (European Russia)] *Arctoa* **8**: *27-34.*

311. NEDOLUZHKO, V.A. & T.A. RUBTSOVA 1998. The first inland locality of Bryoxyphium savatieri (Husn.) Mitt. in the Russian Far East. – *Arctoa* **7**: *79-80.*

312. NOGUCHI, A. 1989. Illustrated moss flora of Japan. Pt. 3 – *Hattori Botanical Laboratory, Nichinan*: *489-742.*

313. [NOTOV, A.A., O.M. VOLKOVA, U.N. SPIRINA, L.V. KOLOSOVA & V.A. RYBKINA] НОТОВ А.А., О.М. ВОЛКОВА, У.Н. СПИРИНА, Л.В. КОЛОСОВА, В.А. РЫБКИНА 2005. О флористическом разнообразии некоторых физико-географических районов Тверской области. – [On floristic diversity of some geographical regions of Tver Province] *Вестн. ТвГУ. Сер. биология и экология. Вып. 1. [Vestnik TvGU. Ser. biologia I ekologia. Vyp. 1]* **4** (10): *122-150.*

314. NYHOLM, E. & L. HEDENÄS 1986. A new species of Gymnostomum. – *Lindbergia* **12**: *41-42.*

315. [NYPORKO, S.O.] НИПОРКО С.О. 2001. Листостеблові мохи природного заповідника «Горгани». – [Mosses of the nature reserve "Gorgany"] *Укр. Бот. Журн. [Ukr. Bot. Zhurn.]* **58(**2): *248-255.*

316. OCHYRA, R., J. ŻARNOWIEC & H. BEDNAREK-OCHYRA 2003. Census catalogue of Polish mosses. – *Polish Acad. Sci., Inst. Bot., Krakow: 372 pp.*

317. OESAU, A. 2003 Pterygoneurum papillosum (Bryopsida: Pottiaceae), a new moss species from Germany. – *J. Bryol.* **25**: *247-252.*

318. [ONIPCHENKO, V.G. & E.A. IGNATOVA] ОНИПЧЕНКО, В.Г., Е.А. ИГНАТОВА 1996. Новые виды сосудистых растений и мохообразных для флоры Тебердинского заповедника. – [New vascular plants and bryophytes for the flora of Teberda State Reserve] *Бюлл. Моск. о-ва испыт. природы. Отд. биол.* [*Bull. Mosk. Obshch. Isp. Prir. Otd. Biol.*] **101**(5): *92-98.*

319. OTNYUKOVA, T.N. 1998. Didymodon hedysariformis, a new species of Pottiaceae (Musci) from South Siberia (Tuva Republic, Russia). – *Arctoa* **7**: *206-210.*

320. OTNYUKOVA, T.N. 2000. Dicranum orientale (Dicranaceae, Musci), a new species from South Siberia (Tuva Republic, Siberia, Russia). – *Бот. Журн.* [*Bot. Zhurn.*] **85**(10): *82-87.*

321. OTNYUKOVA, T.N. 2001. A new species of Orthotrichum (Orthotrichaceae, Musci) from Tuva Republic, South Siberia. – *Arctoa* **10**: *155-156.*

322. OTNYUKOVA, T.N. 2001. Notes on Dicranum (Dicranaceae, Musci) in Russia. 1. Dicranum nipponense found in Far East. – *Arctoa* **10**: *157-160.*

323. OTNYUKOVA, T.N. 2002. A study of the Didymodon species (Pottiaceae, Musci) in Russia. I. Species with caducous leaf apices – *Arctoa* **11**: *337-349.*

324. [OTNYUKOVA, T.N.] ОТНЮКОВА Т.Н. 2003. Материалы к флоре листостебельных мхов Тоджинской котловины (республика Тыва, Южная Сибирь). – [Contribution to the moss flora of Todzha Valley (Tyva Republic, South Siberia)] *Arctoa* **12**: *97-109*.

325. OTNYUKOVA, T.N., E.A. IGNATOVA, M.S. IGNATOV & V.E. FEDOSOV 2004. New records of *Tortella alpicola* Dix. in Eurasia. – *Arctoa* **13**: *197-201*.

326. OTNYUKOVA, T.N. & R. OCHYRA 2003. On *Dicranum dispersum* Engelmark and *D. orientale* Otnyukova. – *Arctoa* **12**: *115-116*.

327. OTNYUKOVA, T.N. & R.H. ZANDER 1998. Didymodon anserinocapitatus, new to Russia from the Yenisey River, South Siberia. – *Arctoa* **7**: *33-35.*

328. [PARTYKA, L.Ya.] ПАРТЫКА Л.Я. 2005. Бриофлора Крыма. – [Bryoflora of Crimea] Киев, *Институт ботаники*

HAH [Kiev, N.G. Kholodny' Inst. Bot. NAN], 170 pp.

329. [PARTYKA, L.Ya., RAITSI & K.O. ULYCHNA] ПАРТЫКА, Л.Я., М. РАЙЦІ & К.О.УЛЫЧНА 1990. Поширення видів роду Rhodobryum (Schimp.) Limpr. на Україні. – [Distribution of species of the genus Rhodobryum (Schimp.) Limpr. in Ukraine] *Укр. Бот. Журн. [Ukr. Bot. Zhurn.]* **47**(3): 28-31.

330. PEDERSEN, N. 2005. Validation of Imbribryum (Bryaceae). – *Bryologist* **108**: *449.*

331. PEDERSEN, N. & L. HEDENÄS 2002. Phylogenetic relationships between Bryum and supposedly closely related genera. – *J. Bryol.* **24:** *277-289.*

332. PEDERSEN, N. & L. HEDENÄS 2005. Taxonomic and nomenclatural implications of phylogenetic studies of the Bryaceae based on molecular data and morphology. – *Bryologist* **108**: *123-128.*

333. [PIDOPLICHKO, A.P.] ПИДОПЛИЧКО А.П. 1948. Флора сфагновых (торфяных) мхов Белорусской ССР. – [Flora of Sphagna of Belorussian SSR] *Минск, Изд. Академии наук БССР [Minsk, Izd. Akad. Nauk BSSR], 70 pp.*

334. [PISARENKO, O.Yu.] ПИСАРЕНКО, О.Ю. 2001. Мохообразные. – [Bryophytes] *В кн: Флора и растительность Катунского заповедника (Горный Алтай) (ред. В.П. Седельников). Новосибирск [In: Sedelnikov, V.P. Flora and vegetation of Katunskii Reserve (Altai mountainous). Nowosibirsk]: 206-227.*

335. [PISARENKO, O.Yu.] ПИСАРЕНКО О.Ю. 2004a. Мохообразные – [Bryophytes] *В кн.: Флора и растительность Елизаровского государственного заказника (нижняя Обь). Новосибирск. [In: Flora i rastitelnost Elizarovskogo zakaznika (Nizhnyaya Ob). Novosibirsk*]: *49-61.*

336. PISARENKO, O.Yu. 2004b. Mosses of the central part of Kuznetskiy Alatau (Southern Siberia) – *Arctoa* **13**: *241-260.*

337. PISARENKO, O.Yu. 2006a. On the variation and ecology of Pterygoneurum subsessile and P. kozlovii (Pottiaceae, Bryophyta). – *Arctoa* **15**: *169-182*.

338. [PISARENKO, O.Yu.] ПИСАРЕНКО О.Ю. 2006b. Редкие и интересные виды мхов бриофлоры Сибири в гербарии ЦСБС СО РАН. – [Rare and interesting moss species of Siberia in herbarium of Central Siberian Botanical Garden] *В кн.: Роль ботанических садов в сохранении биоразнообразия растительного мира Азиатской России: настоящее и будущее. Материалы Всероссийской конференции, посвященной 60-летию Центрального сибирского ботанического сада. Новосибирск* [*In: Rol botanicheskih sadov v sohranenii bioraznoobrazia rastitelnogo mira Asiatskoj Rossii: nastojaschee i buduschee. (Materiali vserossijskoj konferencii, posviaschennoj 60-letiju Centralnogo Sibirskogo botanicheskogo sada. Novosibirsk*]: *218-220*.

339. PISARENKO, O.Yu., E.A. IGNATOVA & M.S IGNATOV 2001. Entostodon hungaricus (Boros) Loeske (Funariaceae, Musci) in Altaisky territory, South Siberia. – *Arctoa* **10**: *97-102.*

340. PODPERA, J. 1929. Musci insulae Rossicae prope Vladivostok. – *Publ. Fac. Sci. Univ. Masaryk* **116**: *3-40*.

341. PODPERA, J. 1954. Conspectus Muscorum Europaeorum. – *Praha, Nakladatelstvi Cesk. Akad. Ved., 699 pp.*

342. [POGOSYAN, A.V.] ПОГОСЯН А.В. 2003. Бриофлора вулканического массива Араилер (Республика Армения). – [Bryoflora of volcanic massif Arailer (Republic of Armenia)] *Arctoa* **12**: *187-190.*

343. [POPOV, S.Yu., V.E. FEDOSOV, S.A. MOSHKOVSKY & M. S. IGNATOV] ПОПОВ С.Ю., В.Э. ФЕДОСОВ, С.А. МОШКОВСКИЙ, М.С. ИГНАТОВ 2004 [2005]. Флора мхов Керженского заповедника (Нижегородская область, европейская часть России). – [Moss flora of Kerzhensky State Reserve (Nizhniy Novgorod Province, European Russia)] *Arctoa* **13**: *57-66.*

344. [POPOVA, N.N.] ПОПОВА Н.Н. 1988. Конспект мхов. – [Conspect of mosses] *В кн.: Цвелев Н.Н. Флора Хоперского государственного заповедника. Л.: Наука [In: Tzvelev, N.N. Flora of Khopersky State Reserve. Leningrad, Nauka]: 173-184.*

345. [POPOVA, N.N.] ПОПОВА Н.Н. 2002 [2003]. Бриофлора Среднерусской возвышенности. I. – [Bryoflora of the Central Russian Upland. I] *Arctoa* **11**: *101-168.*

346. [PUSHKINA, N.M.] ПУШКИНА Н.М. 1960. Лишайники и мхи Лапландского заповедника. – [Lichens and bryophytes of Laplandsky Reserve] *Тр. Лапландск. гос. запка [Trudy Laplandskogo Gos.Zapovednika]* **4**: *189-248.*

347. [RAKHMATULINA, E.K.] РАХМАТУЛИНА Э.К. 1964. Некоторые данные о бриофлоре увлажненных местообитаний западного Тянь-Шаня (средний пояс). – [On the bryoflora of wet habitats of Western Tian-Shan (middle mountain belt)] *Узбекск. биолог. журн. [Uzbek. Biol. Zhurn.]* **5**: *67-70.*

348. [RAKHMATULINA, E.K.] РАХМАТУЛИНА Э.К. 1968. Эпифитная флора мхов Бостандыка. – [Epiphyte moss flora of Bostandyk] *Узбекск. биолог. журн. [Uzbek. Biol. Zhurn.]* **3**: *51-54.*

349. [RAKHMATULINA, E.K.] РАХМАТУЛИНА Э.К. 1969. К бриофлоре Киргизского хребта (бассейн р. Джарлы-Каиды). – [On bryoflora of Kyrgyzsky Range (Dzharly-Kaida River Basin)] *В кн.: Растительные ресурсы Киргизии. Фрунзе [In: Rastitelnye resursy Kyrgyzii. Frunze]: 33-38.*

350. [RAKHMATULINA, E.K.] РАХМАТУЛИНА Э.К. 1970. Мхи ельников северного склона хребта Терскей Ала-Too. – [Mosses of spruce forest of northern slope of Terskei Ala-Too] *Флора Киргизской ССР. Доп. 2. Фрунзе [Flora Kyrgyzskoj SSR. Dopolnenie 2. Frunze]: 50-59.*

351. [RAKHMATULINA, E.K.] РАХМАТУЛИНА Э.К. 1990. Мхи гербария института биологии АН Киргизской ССР. – [Mosses of Herbarium of Institute of Biology of Academy of Sciences of Kyrgyz SSR] *Известия АН Киргизской ССР, сер. Химико-технологические и биологические науки [Izv. Akad. Nauk Kyrgyzskoj SSR, ser. Khimiko-tekhnologicheskie i biologicheskie nauki]* **4**: *48-56.*

352. RAZGULYAEVA, L.V., M.G. NAPREENKO, CH. WOLFRAM & M.S. IGNATOV 2001. Campylopus introflexus (Dicranaceae, Musci) – an addition to the moss flora of Russia. – *Arctoa* **10**: *185-188.*

353. REDFEARN, P. L., JR. & P.-C. WU 1986. Catalog of the mosses of China. – *Ann. Missouri Bot. Gard.* **73**: *177-208.*

354. REDFEARN, P.L., JR., B.C.TAN & S. HE 1996. A newly updated and annotated checklist of Chinese mosses – *J. Hattori Bot. Lab.* **79**: *163-357*

355. [RYKOVSKY, G.F. & O.M. MASLOVSKY] РЫКОВСКИЙ Г.Ф., О.М. МАСЛОВСКИЙ 2004. Флора Беларуси, мохообразные. Том 1 Andreaeopsida-Bryopsida. – [Flora of Belarus, Bryophyta. Vol. 1 Andreaeopsida-Bryopsida] *Минск, Тэхналогія* [*Minsk, Taekhnalogia*], *439 pp.*

356. [SAKAUOVA, G.B.] САКАУОВА Г.Б. 1992. Мохообразные Южного Алтая. – [Bryophytes of South Altai] *Автореф. дисс... канд. биол. наук Душанбе, АН Респ. Таджикистан, Инст. Бот. [Thesis Ph. D.. Dushanbe, Akad. Nauk. Resp. Tadjikistan, Inst. Bot.], 22.*

357. [SAVICZ, L.] САВИЧ Л.И. 1922. Критический обзор новейшей литературы по мхам России (за 1921-1922 г.). – [Critical review of recent literature on mosses, 1921-1922] *Изв. Главн. бот. сада [Izv. Glavn. Bot. Sada]* **21**(2): *1-9.*

358. [SAVICZ, L.I.] САВИЧ Л.И. 1936. Материалы к флоре мхов острова Сахалин. – [Contributions to the moss flora of Sakhalin] *Вестник ДВФ АН СССР [Vestnik Dalnevostochn. Fil. Akad. Nauk SSSR]* **19**: *68-85.*

359. [SAVICZ-LYUBITSKAYA, L.I.] САВИЧ-ЛЮБИЦКАЯ Л.И. 1954. Обзор рода Bryum Hedw. в СССР. – [An overview of genus Bryum Hedw. in the USSR] *Тр. бот. ин-та АН СССР, сер. 2. Споровые растения* [*Trudy Bot. Inst. Akad. Nauk SSSR, ser. 2. Sporovye Rasteniya*] **9**: *495-634.*

360. [SAVICZ-LYUBITSKAYA, L.I.] САВИЧ-ЛЮБИЦКАЯ Л.И. 1966. Об изменении названий у некоторых мхов. – [On the name changes of certain mosses] *Новости сист. низш. раст.* [*Novosti Sist. Nizsh. Rast.*]**'1966'**: *330-332.*

361. [SAVICZ-LYUBITSKAYA, L.I. & Z.N. SMIRNOVA] САВИЧ-ЛЮБИЦКАЯ Л.И., З.Н. СМИРНОВА 1970. Определитель листостебельных мхов СССР. Верхоплодные мхи. – [Handbook of mosses of the USSR. The acrocarpous mosses] *Л., Наука [Leningrad, Nauka], 822.*

362. [SCHLJAKOV, R.N.] ШЛЯКОВ Р.Н. 1951. Два новых вида мхов. – [Two new bryophyte species] *Бот. матер. Отд. спор. раст. Бот. ин-та АН СССР [Bot. Mat. Otd. Spor. Rast. Bot. Inst. Akad. Nauk SSSR]* **7**: *227-234.*

363. [SCHLJAKOV, R.N.] ШЛЯКОВ Р.Н. 1999. Новые названия некоторых таксонов мхов России. – [The new names of some taxons of Russian mosses] *Новости сист. низш. раст.* [*Novosti Sist. Nizch. Rast.*] **33***: 196-198.*

364. [SCHLYAKOV, R.N. & N.A. KONSTANTINOVA] ШЛЯКОВ Р.Н., Н.А. КОНСТАНТИНОВА 1982. Конспект флоры мохообразных Мурманской области. – [Conspectus of bryophyte flora of Murmansk Province] *Апатиты, Полярно-Альпийский бот. сад [Apatity, Polar-alpine Bot. Gard.], 228 pp.*

365. [SEMENOV, B.S.] СЕМЕНОВ Б.С. 1929. Сфагны Алтая. – [Sphagna of Altai] *Труды Алтайского подотдела Русск. Геогр. О-ва [Trudy Altaisk. Pod. Russ. Geogr. Obsc.]* **1**: *1-44.*

366. [SEREDA, V.A.] СЕРЕДА В.А. 2006. Новые находки мхов в Ростовской области. 1. – [New moss records from Rostov-na-Donu Province] *Arctoa* **15**: *255-256.*

366a. [SHUBINA T.P. & G.V. ZHELEZNOVA] ШУБИНА Т.П., Г.В. ЖЕЛЕЗНОВА 2002. Листостебельные мхи равнинной части средней тайги европейского Северо-Востока. – [Mosses of the plain landscapes of the middle taiga of the European North-East] *Екатеринбург: УрО РАН [Ekaterinburg, UrO RAN]: 157 pp..*

367. [SIMONOV, G.P.] СИМОНОВ Г.П. 1978. Определитель листостебельных мхов Молдавской ССР. – [Handbook of mosses of Moldavian SSR] *Кишинев, Штиинца [Kishinev, Schtiinza], 168 pp.*

368. [SIROTINA, I.V.] СИРОТИНА И.В. 1987. Мхи Копетдага. – [Mosses of Kopet Dagh] *Дис. ... канд. биол. Наук. Л. БИН АН СССР [Ph. D. Thesis. Leningrad, Botanical Inst. Akad. Nauk SSSR], 191 pp.*

369. [SMIRNOVA, Z.N.] СМИРНОВА З.Н. 1952. Новый вид рода Drepanocladus с Курильских островов. – [New species of the genus Drepanocladus from Kuril Islands] *Бот. мат. Отд. споровых раст. Бот. ин-та АН СССР* [*Bot. Mat. Otd. Spor. Rast. Bot. Inst. Akad. Nauk SSSR*] **8**: *210-213.*

370. [SMIRNOVA, Z.N.] СМИРНОВА З.Н. 1966. О Mnium andrewsianum Steere в СССР. – [On Mnium andrewsianum Steere in USSR] *Новости сист. низш. раст. [Novosti Sist. Nizsh. Rast.]* **'1966'**: *332-338.*

371. SMITH, A.J.E. 2004. The moss flora of Britain and Ireland. 2 ed. – *Cambridge, Cambridge University Press, 1012 pp.*

372. SOLDAN, Z. 1991-1992 [1993]. Distribution of Iwatsukiella leucotricha (Musci, Leskeaceae), with notes on a new disjunction in Caucasus. – *Novit. Bot. Univ. Carolinae* **7**: *35-43.*

373. [SPIRINA, U.N. & V.I. ZOLOTOV] СПИРИНА, У.Н., В.И. ЗОЛОТОВ 2004 [2005] Мхи Оренбургского государственного природного заповедника (Юго-восток европейской части России). – [Mosses of the Orenburg State Nature Reserve (South-Eastern European Russia)] *Arctoa* **13**: *51-56.*

374. STARK, L.R. 1987. A taxonomic monograph of Forsstroemia Lindb. (Bryopsida: Leptodontaceae). – *J. Hattori Bot. Lab.* **63:** *133-218.*

375. STECH, M. 1999. Dichodontium palustre (Dicks.) Stech comb. nov., a new name for Dicranella palustris (Dicks.) Crundw. ex Warb. (Dicranaceae, Bryopsida). – *Nova Hedwigia* **69**: *237-240.*

376. SUGAWARA, Sh. 1956. Bryophyta sachalinensis.

377. [SURAGINA, S.A., E.A. IGNATOVA, M.S. IGNATOV & V.I. ZOLOTOV] СУРАГИНА С.А., Е.А. ИГНАТОВА, М.С. ИГНАТОВ, В.И. ЗОЛОТОВ 2003 '2002'. Материалы к флоре мхов Астраханской области (юг европейской России). – [Contribution to the Moss Flora of Astrakhan Province (South European Russia)] *Arctoa* **11**: *169-174.*

378. TAN, B.C. 1991. Miscellaneous notes on Asiatic mosses, especially Malesian Sematophyllaceae (Musci) and others. – *J. Hattori Bot. Lab.* **70**: *91-106.*

379. TAN, B.C., W.R. BUCK & M.S. IGNATOV 1990. On the Hymalayan Struckia C. Muell. and Russian Cephalocladium Lazar. (Musci, Hypnaceae). – *Lindbergia* **16**(3): *100-104*.

380. TAN, B.C. & JIA YU 1999 A preliminary revision of Chinese Sematophyllaceae. – *J. Hattori Bot. Lab.* **86**: *1-70.*

381. [TELEGANOVA V.V. & M.S. IGNATOV] ТЕЛЕГАНОВА В. В., М.С. ИГНАТОВ 2006. Новые находки мхов в Калужской области. 1. – [New moss records from Kaluga Province. 1] *Arctoa* **15**: *249-250*.

382. THÉRIOT, I. 1918. Mousses du Caucase. – *Bull. Acad. Int. Géogr., Bot.* **28**: *96-105.*

383. TOUW, A. 2001. A review of the Thuidiaceae (Musci) and a realignment of taxa traditionally accommodated in Thuidium sensu amplo (Thuidium Schimp., Thuidiopsis (Broth.) M. Fleisch., and Pelekium Mitt.) including Aequatoriella gen. nov., and Indothuidium gen. nov. – *J. Hattori Bot. Lab.* **90**: *167-209.*

384. TOWNSEND, C.C. 1991. Two mosses of interest in the Soviet Union. – *J. Bryol.* **16**: *648-649.*

385. TOWNSEND, C.C. 1992. Four more interesting mosses in Uzbekistan. – *J. Bryol.* **17:** *374-376.*

386. [TUBANOVA, D.Ya.] ТУБАНОВА Д.Я. 2004. Мхи Джергинского заповедника. – [Mosses of Dzherginsky Reserve] *В ст.: Игнатов М.С., Е.А.Игнатова, Г.А. Пронькина, Мхи заповедников России. Современное состояние биологического разнообразия на заповедных территориях России. Том. 3. Лишайники и мохообразные. М., МСОП [In: Ignatov, M.S., E.A. Ignatova & G.A. Pronkina, Mosses of State Reserevs of Russia. Sovremennoe sostoyanie biologicheskogo raznoobraziya na zapovednykh territoriyakh Rossii. Vol. 3. Lishainiki i mokhoobraznye. Moscow, IUCN]: 274-366*.

387. TUBANOVA D.YA., O.A. ANENKHONOV 2004. The epiphytic mosses in Northern Buryatia (Eastern Siberia). – *Arctoa* **13**: *85-88.*

388. [TUBANOVA, D.YA., E.A. IGNATOVA & V.I. ZOLOTOV] ТУБАНОВА Д.Я., Е.А. ИГНАТОВА, В.И. ЗОЛОТОВ 2006. Новые находки мхов в Республике Бурятия. 1. – [New moss records from Republic Buryatiya. 1] *Arctoa* **15**: *261-263*.

389. [UKRAINSKAYA, G.Ya.] УКРАИНСКАЯ Г.Я. 1996a. О сходстве и различии Plagiothecium piliferum (Sw.) Bruch et al. и Isopterygiopsis muelleriana (Schimp.) Iwats. – [On the similarity and difference of Plagiothecium piliferum (Sw.) Bruch et al. and Isopterygiopsis muelleriana (Schimp.) Iwats.] *Новости сист. низш. раст.* [*Novosti Sist. Nizsh. Rast.*] **31**: *185-191.*

390. [UKRAINSKAYA, G.Ya.] УКРАИНСКАЯ Г.Я. 1996b. Plagiothecium berggrenianum (Plagiotheciaceae, Musci) в России. – [Plagiothecium berggrenianum (Plagiotheciaceae, Musci) in Russia] *Бот. Журн. [Bot. Zhurn.]* **81**(2): *87-91.*

391. ULVINEN, T. 1996. Bryophytes of the former Kutsa Nature Reserve. – *Oulanka Reports* **16**: *53-62.*

392. [ULYCHNA, K.O. & N.M. VORONINA] УЛЫЧНА К.О., Н.М. ВОРОНИНА 1978 [1979]. Листяні мохи. 3. – [Mosses. 3] *Каталог музейных фондов. Збірник наукових праць Львів. прир. муз. Київ [In: Katalog muzeinykh fondov. Zbirnik naukovikh praz Lvivskogo Pripodnogo Muzeya. Kyiv]: 4-18.*

393. [UTEKHIN, V.D.] УТЕХИН В.Д. 1976. К флоре зеленых мхов заповедника Аксу-Джабаглы. – [On moss flora of Aksu-Dzhabagly Reserve] *В кн.: Заповеднику Аксу-Джабаглы 50 лет. Алма-Ата [In: Zapovedniku Aksu-Dzhabagly 50 let. Alma-Ata]: 56-65.*

394. VANDERPOORTEN, A. 2001. The Syntrichia ruralis complex in Belgium. – *Cryptogamie, Bryologie* **22**: *71–84.*

395. [VASILYEV, A.N.] ВАСИЛЬЕВ А.Н. 1992. Конспект флоры мохообразных в заповедниках "Столбы" и Саяно-Шушенском. – [Bryophytes of Reserves "Stolby" and Sayano-Shushenskij] *Красноярск, Изд-во Красноярск. ун-та [Krasnoyarsk, Izd. Krasnoyarks. Univ.], 112.*

396. VELLAK, K., L. KANNUKENE, N. INGERPUU & M. LEIS 2001. Additions to the list of the Estonian bryophytes, 1997-2001. – *Folia Cryptogamica Estonica* **38**: *71-78.*

397. VELLAK, K., N. INGERPUU, L. KANNUKENE & M. LEIS 2006. New Estonian records. Liverworts and mosses. – *Folia Cryptogamica Estonica* **42**: *107-111.*

398. [VIRCHENKO, V.M.] ВІРЧЕНКО В.М 1989. Види секції Erythrocarpa Kindb. роду Bryum Hedw. у флорі УРСР. – [Species of Bryum sect. Erythrocarpa Kindb. in the flora of Ukraine]. *Укр. Бот. Журн. [Ukr. Bot. Zhurn.]* **46**(5): *51-55.*

399. [VIRCHENKO, V.M.] ВІРЧЕНКО В.М. 1992. Чи знайдено Atractylocarpus alpinus (Schimp. ex Milde) Lindb. на Україні?. – [Is Atractylocarpus alpinus (Schimp. ex Milde) Lindb. found in Ukraine?] *Укр. Бот. Журн. [Ukr. Bot. Zhurn.]* **49**(3): *95-98.*

400. [VIRCHENKO, V.M.] ВІРЧЕНКО В.М. 2000. Список бокоплідніх мохів України. – [List of pleurocarpous mosses of Ukraine] *Київ, Знання [Kyiv, Znannya], 32 pp.*

401. [VIRCHENKO, V.M.] ВІРЧЕНКО В.М. 2001. Список верхоплідніх мохів України. – [List of acrocarpous mosses of Ukraine] *Київ, Знання [Kyiv, Znannya], 56 pp.*

402. [VIRCHENKO, V.M.] ВІРЧЕНКО В.М. 2004. Нові знахідки рідкісних для України мохоподібних. – [New records of rare bryophyte species in Ukraine] *Укр. Бот. Журн. [Ukr. Bot. Zhurn.]* **61**(1): *106-110.*

403. [VIRCHENKO, V.M.] ВІРЧЕНКО В.М. 2005. Рід Zygodon Hook. et Taylor (Orthotrichaceae, Bryophyta) в Україні. – [The genus Zygodon Hook. et Taylor (Orthotrichaceae, Bryophyta) in Ukraine] *Укр. Бот. Журн. [Ukr. Bot. Zhurn.]* **62**(5): *715-718.*

404. [VIRCHENKO, B.M. & L.A. BABENKO] ВІРЧЕНКО В. М., Л.А. БАБЕНКО 2001. Знахідка Rhynchostegium rotundifolium (Brid.) Bruch et al. та Myuroclada maximoviczii [sic!] (Borszcz.) Steere & Schof. на сході Європи. – [Finding of Rhynchostegium rotundifolium (Brid.) Bruch et al. and Myuroclada maximoviczii (Borszcz.) Steere & Schof. in the eastern Europe] *Укр. бот. журн. [Ukr. Bot. Zhurn.]* **58**(1): *676-759.*

405. [VIRCHENKO, V.M. & O.O. ORLOV] ВІРЧЕНКО В.М., О.О. ОРЛОВ 2005. Нові та рідкісні мохоподібні для Українського Полісся. – [New and rare bryophytes for Ukrainian Polessie] *Укр. Бот. Журн. [Ukr. Bot. Zhurn.]* **62**(3): *431-436.*

406. [VIRCHENKO, V.M. & J. VÁŇA] ВІРЧЕНКО В.М., І. ВАНЯ 2000. Список печіночників, антоцеротів та сфагнових мохів України. – [List of hepatics, anthocerotes and sphagna of Ukraine] *Київ, Знання [Kyiv, Znannya], 31 pp.*

407. [VOLKOVA, L.A. & A.I. MAKSIMOV] ВОЛКОВА Л.А., А.И. МАКСИМОВ 1993. Список листостебельных мхов Карелии. – [Checklist of mosses of the Karelia] *В кн.: Растительный мир Карелии и проблемы его охраны (ред. Г А. Елина, А.Д. Волков) Петрозаводск, Карельский научный центр РАН [In: Elina, G.A. & A.D. Volkov (eds.), Rastitel'nyj mir Karelii i problemy ego okhrany. Petrozavodsk, Karel'skij nauchnyj tsentr Ross. Akad. Nauk]: 57-91.*

408. WARNSTORF, C. 1906. Kryptogamenflora der Mark Brandenburg. Laubmoose. 2 Bd. – *Berlin, Verlag von Gebrüder Bornträger, xii+1160.*

409. WERNER, J. 2002. A comparison of Dichodontium flavescens (Dicks.) Lindb. and D. pellucidum (Hedw.) Lindb. (Bryopsida). – *J. Bryol.* **24**: *215-221.*

410. WILBRAHAM, J. & D.G. LONG 2005. Zygodon Hook. & Taylor and Bryomaltaea Goffinet (Bryopsida: Orthotrichaceae) in the Sino-Himalaya. – *J. Bryol.* **27**: *329-342.*

411. ZANDER, R.H.1993. Genera of the Pottiaceae: mosses of harsh environments. – *Bull. Buffalo Soc. Nat. Sci.* **32**: *1-378.*

412. [ZEROV, D.K.] ЗЕРОВ Д.К. 1964. Флора печіночних і сфагнових мохів України. – [Flora of hepatics and Sphagna of Ukraina] *Київ, Наукова Думка [Kyiv, Naukova Dumka], 356 pp.*

413. [ZEROV, D.K. & L.Ya. PARTYKA] ЗЕРОВ Д.К., Л.Я. ПАРТЫКА 1975. Мохоподібні Українських Карпат. – [Mosses of Ukrainian Carpatians] *Київ, Наукова Думка [Kyiv, Naukova Dumka], 231 pp.*

414. [ZHELEZNOVA, G.V.] ЖЕЛЕЗНОВА Г.В 2006. Новые находки мхов в республике Коми. 1. – [New moss records from Komi Republic. 1] *Arctoa* **15**: *251-252.*

415. ZHELEZNOVA, G.V.] ЖЕЛЕЗНОВА Г.В. 1994. Флора листостебельных мхов Европейского Северо-Востока. – [Moss flora of European North-East] *СПб., Наука [St.-Petersburg, Nauka], 148.*

416. [ZHELEZNOVA, G.V. & T.P. SHUBINA] ЖЕЛЕЗНОВА Г.В., Т.П. ШУБИНА 1998a. Новые находки мохообразных в Республике Коми (Северо-Восточная Европа). – [New records of bryophytes from Komi Republic (North-East Europe)] *Arctoa* **7**: *189-190.*

417. [ZHELEZNOVA, G.V. & T.P. SHUBINA] ЖЕЛЕЗНОВА Г.В., Т.П. ШУБИНА 1998b. Мохообразные Печоро-Илычского заповедника. – [Bryophytes of Pechoro-Ilych Reserve] *Флора и фауна заповедников. Вып. 65. Москва [Flora i fauna zapovednikov. 65. Moscow]: 34 pp.*

417a. [ZHELEZNOVA G.V., T.P. SHUBINA] ЖЕЛЕЗНОВА Г.В., Т.П. ШУБИНА 2005. Видовой состав мхов техногенно нарушенных ландшафтов Республики Коми. – [The species composition of mosses in the technogenically disturbed areas of the Komi Republic] *Бот. журн.* [*Bot. Zhurn.*] **90**(2): *215-222.*

418. ZOLOTOV, V.I. 2000. The genus Bryum (Bryaceae, Musci) in the Middle European Russia. – *Arctoa* **9**: *155-232.*

419. [ZOLOTOV, V.I.] ЗОЛОТОВ В.И. 2003. Bryum sauterii Bruch et al. в средней части Европейской Росии. – [Bryum sauterii Bruch et al. in Middle European Russia] *Arctoa* **12**: *117-120.*

420. ZOLOTOV, V.I. 2006a. On systematics and distribution of some species of Bryum (Bryaceae, Bryophyta) in Russia. – *Arctoa* **15**: *155-162.*

421. [ZOLOTOV, V.I.] ЗОЛОТОВ В.И. 2006b. Новые находки мхов в Республике Северная Осетия – Алания. 1. – [New moss records from Republic North Ossetiya – Alania. 1] *Arctoa* **15**: *256.*

422. [ZOLOTOV, V.I. & E.Z. BAISHEVA] ЗОЛОТОВ В.И., Э.З. БАИШЕВА 2003. Флора листостебельных мхов заповедника «Шульган-Таш» (Республика Башкортостан, Россия). – [Moss flora of "Shulgan-Tash" nature reserve (Republic Bashkortostan, Russia)] *Arctoa* **12**: *121-132.*

423. [ZOLOTOV, V. I. & N.R. SHAFIGULLINA] ЗОЛОТОВ В. И., Н.Р. ШАФИГУЛЛИНА 2006. Новые находки мхов в республике Татарстан. 1. – [New moss records from Tatarstan Republic. 1] *Arctoa* **15**: *250.*

424. *"Tortula modica,* Irkutsk, Akademgorodok, Bardunov, 10.X.1957; 22.IX.1969 (IRK, sub *Pottia truncata*)"

425. *Hypnum imponens* in Caucasus (confirmed by Afonina.): (1) Caucasian Reserve, Guzeripl, beech forest, on rotten trunk, 19.VIII.1928, coll. Z. Smirnova (LE); (2) same, Guzeripl, 1 km to Goreloe, beech-fir forest, on rotten beech, 28.VII.1935, coll. L.N. Vasilieva (LE); (3) same, near Ternovaya Village, Belaya River, Kisha Creak, alt. 600 m, on remains of beech, 28.VII.1951, coll. Senicheva (LE).

426. *"Philonotis falcata*, Altai Republic, Chemal, Ignatov, 29/33 (MHA), det T. Koponen."

427. "*Fissidens exilis*, Altai Territory, Kolyvan, Ignatov, 17.VIII.2004 (MHA)".

428. *Sphagnum perfoliatum* L.I.Savicz was described with inexact type locality, called just "NW Siberia". There are three collections in LE labelled by Savicz with Notae criticae "Sphagnum perfoliatum nov. sp.", two from Salekhard, or from Novyj Port. Only one of them is labelled with Notae criticae "typus" by Savicz and obviously it has to be designated as the holotype: "Вычегодско-Печерская геоботаническая экспедиция, Н.Я. и С.В.Кац, Sphagnum jamalense Lyd. Savicz spec. nov., окрестности Сале-Харда Ямало-Ненецкого округа, сфагновое болото, в мочежинах 9.VIII.1939 leg. Н. и С. Кац, det. L. Savicz" [Vychegodsko-Pecherskaya Geobotanical Expedition of N.Ya. & S. V. Katz, vicinity of Salekhard of Yamalo-Nenetsky District, Sphagnum bog, in hollows, 9.VIII.1938 leg. N. & S. Katz, det. L. Savicz], with Notae criticae 1947: Sphagnum perfoliatum Lyd. Sav. nov. sp. and additional Notae criticae: "Sphagnum perfoliatum (typus)". This locality is outside Arctic according to the present subdivision of Siberia (Fig. 1, page 5), although very close to it border.

429. "In plantie Elisabethopoleus, Dr. Kolenai LE".

430. "*Hamatocaulis lapponicus,* Vologodskaya Province, Totemsky Distr., Nikolaevskaya, 11.VII.1926. O. Gaze & A. Korchagin (LE)."

431. "*Tortula truncata*, Altaisky Territory, Barnaul, Ignatova, 10.VI.1988 E.Ignatova (MHA)".

432. "*Pseudoleskeella rupestris*, Komi Republic, Pechero-Ilychskiy Nature Reserve, Pechora River Valley, Kameshok (62°03'N–58°13'E), alt. 200 m, limestone outcrops, on dry tops and ledges, A.G.Bezgodov & I.B.Kucherov (MW, LE)"

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